



Memorandum

To: Steve Renninger, USEPA
Jenny Davison, USEPA
Leslie Patterson, USEPA;

Ref. No.: 038443-62-03

From: Julian Hayward/Valerie Chan/cb/29

Date: September 9, 2015

CC: Madelyn Adams, Ohio EPA;
Lauren Foster, Tetra-Tech; Brandon Helm; Tetra-Tech;
Tom Hut, PHDMC

Re: **Summary of July 2015 Vapor Intrusion Analytical Results and Proposed Sub-Slab Depressurization System (SSDS) Modifications**

1. Introduction

GHD has prepared this technical memorandum to present proposed sub-slab depressurization system (SSDS) modifications and sampling frequency based on the July 2015 sampling results and system evaluations for the South Dayton Dump and Landfill Site (Site) located in Moraine, Ohio. This memorandum is in response to the meeting with the United States Environmental Protection Agency (USEPA) on June 8, 2015 in Riverside, Ohio. GHD is submitting this memorandum on behalf of the Respondents to the Administrative Settlement and Order on Consent (ASAOC) for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013.

This memorandum includes information for Buildings 8, 9, 12, 14, 15 and 24. GHD visited the Site on July 13 to 16, 2015, to perform the vapor intrusion (VI) sampling and to assess the feasibility of proposed SSDS modifications. GHD determined suitable system modifications, which include new stem lines and extraction points based on the following criteria:

- Detected indoor air (IA) chemicals of concerns (COCs) vs. detected sub-slab (SS) soil vapor chemicals of concern (COCs)
- Background IA concentrations
- Attenuation factors (AF)
- Historic pressure readings at IA and SS sampling locations
- Installation feasibility

2. System Modification Design Considerations

2.1 Detected IA vs. SS COCs

GHD assessed all sampling event data collected to date to verify if SS COCs were present in corresponding IA samples. The presence of COCs in the SS sample and corresponding IA sample determines if a VI pathway is complete and the need for risk evaluation. The absence of a COC in a corresponding IA sample indicates that the VI pathway for that COC is incomplete or is due to the effectiveness of the mitigation system, and therefore, further risk evaluation is not required.

2.2 Background IA Concentrations

GHD evaluated background IA concentrations to determine if detected COCs in the IA samples collected to date were potentially related to VI or site-specific business operations. Background IA concentrations were obtained from, "Background Indoor Air Concentrations of Volatile Organic Compounds in North American Residences (1990-2005): A Compilation of Statistics for Assessing Vapor Intrusion", June 2011. It is noted that the typical background concentrations in residential buildings may not be representative of IA quality for commercial or industrial buildings where chemicals are stored and used.

2.3 Attenuation Factors

GHD calculated AFs between SS soil vapor and IA results using the July 2015 radon concentrations to further evaluate concentrations similarities between SS and IA results which indicated potential vapor intrusion pathway conduits at select locations (SS-15-A and SS-12-OP-B).

2.4 Historic Vacuum Readings

GHD evaluated all vacuum readings measured at or in close proximity to SS for all IA or SS samples following sub-slab depressurization system (SSDS) start-up. This was done to evaluate if proper communication (i.e., vacuum at -0.004 inches of water column [¹" w.c.]¹) is present in the SSDSs to mitigate VI.

2.5 Feasibility of Installation

At the request of USEPA, GHD made a Site visit on July 15, 2015 to assess the installation feasibility of proposed SSDS modification locations. GHD reviewed the current site conditions and proposed locations within each building and amended the proposed location(s), if required. The following section describes the most recent analytical results, system evaluation and proposed system modifications for each building.

¹ As per the VI Mitigation Work Plan (CRA, May 2013), based on USEPA 2008 Guidance document titled "Indoor Air Vapor Intrusion Mitigation Approaches", and USEPA 1993 Guidance "Radon Reduction Techniques for Existing Detached Houses: Technical Guidance for Active Soil Depressurization Systems".

3. System Evaluation and Proposed Action

3.1 B&G Trucking – Building 8

3.1.1 Analytical Results

GHD collected samples at B&G Trucking Building 8 on July 15, 2015. GHD collected three IA samples at IA-8-A, IA-8-D, and IA-8-F, and three SS soil vapor samples at SS-8-A, SS-8-D, and SS-8-F. Sample collection at location SS-8-B was inadvertently omitted, and a sample at SS-8-F was collected instead. During this sampling round, one extraction point (EP-3) was not operating at the time of sampling, and further assessment of Building 8 is required pending additional sample collection and analysis. Building 8 sample locations are shown on Figure 1, and analytical results are presented in Table 1. July 2015 sample exceedances are summarized in the following table.

Table 3.1.1 Summary of July 2015 Building 8 VI Sample Exceedances

Location	Compound	Concentration (ppb)	ODH Screening Level
IA-8-F	Benzene	3.4	2
SS-8-A	Trichloroethene (TCE)	480	20
SS-8-D	TCE	34/32	20

3.1.2 Discussion

Benzene was detected in IA at location IA-8-F at a concentration greater than the Ohio Department of Health (ODH) screening level in July 2015; however, benzene concentrations in all SS samples were either not detected or were detected at concentrations less than ODH screening levels. The IA benzene concentration at IA-8-F was 34 times the corresponding SS concentration (0.099 J² ppb). The lack of benzene exceedances in all SS soil vapor samples collected to date and the elevated benzene AF at location IA-8-F indicates that the exceedance was not due to VI and is the result of IA background sources or human activity within and around the building. In 2012, GHD completed an IA building assessment and observed a number of factors that can influence IA quality and contribute to concentrations of benzene above the ODH screening levels within the building. These factors included, but are not limited to, (i) personnel smoking tobacco products in the building, (ii) storage and operation of petroleum-fueled vehicles inside the building, and (iii) use of products and solvents including paints, lacquers, hardeners, thinners, degreasers, and oils. This evidence suggests that IA benzene concentrations are the result of ongoing daily human activities within and around Building 8 as well as IA background sources, and are not the result of a complete VI pathway.

The SS concentrations of TCE in Building 8 have decreased since the SSDS was installed in November 2013, as can be seen from the concentrations presented on Figure 1.

²

J - Estimated Concentration

3.1.3 System Evaluation

The fan at extraction point EP-3 in Building 8 was not operational during the July 2015 sampling and a complete system evaluation cannot be completed at this time.

3.1.4 Proposed SSDS Upgrades

Due to the fan at extraction point EP-3 in Building 8 not operating during the July 2015 sampling event, GHD proposes to measure the vacuums and re-sample the SS locations (i.e., SS-8-A, SS-8-B, and SS-8-D), in order to present an accurate evaluation of SSDS performance.

3.2 B&G Trucking – Building 9

3.2.1 Analytical Results

GHD collected samples at B&G Trucking Building 9 on July 15, 2015. GHD collected two IA samples at IA-9-A and IA-9-B, and one SS soil vapor sample at SS-9-A. Building 9 sample locations are shown on Figure 2, and analytical results are presented in Table 2. July 2015 sample exceedances are summarized in the following table.

Table 3.2.1 Summary of July 2015 Building 9 VI Sample Exceedances

Location	Compound	Concentration (ppb)	ODH Screening Level
SS-9-A	TCE	1,700	20

3.2.2 Discussion

The SS concentrations of TCE at SS-9-A exhibit seasonal fluctuations, with concentrations increasing in the warmer months. The SS concentrations of TCE in Building 9 have decreased since the SSDS was installed in September 2013, as can be seen from the concentrations presented on Figure 2.

There were no IA exceedances measured in Building 9 in July 2015. Sample collection at location SS-9-B was inadvertently omitted. Previous IA samples contained concentrations of benzene, ethylbenzene, and xylenes that were greater than ODH screening levels. The concentrations of these compounds in SS samples were either not detected or detected at concentrations less than ODH screening levels. In 2012, GHD completed an IA building assessment and observed a number of factors that can influence IA quality and contribute to concentrations of benzene, ethylbenzene and xylenes above the ODH screening levels within the building. These factors included, but are not limited to, (i) personnel smoking tobacco products in the building, (ii) storage and operation of petroleum-fuelled vehicles inside the building, and (iii) use of products and solvents including paints, lacquers, hardeners, thinners, degreasers, and oils. The data show that benzene, ethylbenzene, and xylenes detections in Building 9 IA are not related to VI, but rather are the result of on-going daily human activities within and around Building 9, as well as IA background sources, and are not the result of a complete VI pathway.

System Evaluation

The average historic vacuum reading of -0.0097" w.c. at SS-9-A satisfies the required -0.004" w.c. threshold. Historic sub-slab vacuum readings for Building 9 are presented in Table 3. The satisfactory vacuum readings and the absence of TCE exceedances in IA indicates that the SSDS is successfully operating to mitigate VI within Building 9.

The effectiveness of the SSDS in Building 9 is exhibited by satisfactory vacuum readings, and the absence of IA sample exceedances related to vapor intrusion.

3.2.3 Proposed SSDS Upgrades

Based on the presence of TCE in the sub-slab, GHD proposes additional extraction points (EP-3 and EP-3 stemline) (Figure 2). This modification will also increase the mitigation radius of influence (ROI) on the west side of the building, and has the potential to influence the entire sub-slab area of the building. A photographic log of Building 9 proposed SSDS modification locations is presented in Attachment A.

3.3 Overstreet Painting and S&J Precision – Building 12

3.3.1 Analytical Results

GHD collected samples at Overstreet Painting (OP) and S&J Precision (S&J) on July 13, 2015. GHD collected four IA samples at IA-12-OP-A, IA-12-OP-B, IA-12-SJ-B, and IA-12-SJ-D, and four SS samples at SS-12-OP-A, SS-12-OP-B, SS-12-SJ-B, and SS-12-SJ-D. Building 12 sample locations are shown on Figure 3, and analytical results are presented in Tables 4 and 5. July 2015 sample exceedances are summarized in the following table.

Table 3.3.1 Summary of July 2015 Building 12 VI Sample Exceedances

Location	Compound	Concentration (ppb)	ODH Screening Level
IA-12-OP-A	Benzene	4.4	2
SS-12-OP-A	TCE	460	20
IA-12-OP-B	Benzene	4.2	2
SS-12-OP-B	TCE	800 / 1,300	20
SS-12-SJ-B	TCE	7,700	20
SS-12-SJ-D	TCE	110 / 110	20

3.3.2 Discussion

The July 2015 TCE concentration at SS-12-SJ-B is the maximum concentration measured to date at that location. GHD notes that Building 12 is located within an area of TCE groundwater impacts (see Figure 3).

Benzene was detected in IA within OP; however, benzene was not and has never been detected at any corresponding sub-slab samples (SS-12-OP-A and SS-12-OP-B), with one exception; benzene was detected once in SS-12-OP-B at a concentration of 16 ppb in April 2014. The corresponding IA sample concentration at IA-12-OP-B was 25 ppb; and the resulting benzene AF was 1.56. USEPA suggested the similarity of

concentrations could indicate that VI was occurring. GHD previously collected radon samples in March 2012 to determine AFs; the AF at SS-12-OP-B in March 2012 was 0.0039. GHD collected radon samples at SS-12-OP-B and IA-12-OP-B in July 2015 in order to calculate a current AF. The July radon sample results were 0.04 and 166 picocuries per liter (pCi/L) at IA-12-OP-B and SS-12-OP-B, respectively, resulting in an AF of 0.00024. The AFs calculated based on March 2012 and July 2015 radon results indicate the benzene concentrations in April 2014 are not related to VI. In 2012, GHD completed an IA building assessment and observed a number of factors that can influence IA quality and contribute to concentrations of benzene above the ODH screening levels within the building. These factors included, but are not limited to, storage of petroleum-fuelled vehicles and paints inside the building. The data show that benzene in Building 12 IA are not related to VI, but rather are the result of IA background sources, and are not the result of a complete VI pathway.

According to the June 2011 study by the USEPA, North American residences have benzene present in background IA at concentrations ranging from 1.61 ppb to 4.64 ppb in the 90th percentile of residences sampled. Being that OP is an industrial building, it is comparable or even conservative to draw parallels to the 90th percentile range. The detected IA concentrations of benzene were 4.4 ppb and 4.2 ppb at IA-12-OP-A and IA-12-OP-B, respectively, which is within the 90th percentile background range. This indicates that detections are from building business operations and not from VI.

System Evaluation

The average historic vacuum readings of -0.0369, -0.0714, -0.0461, and -0.0604" w.c., at SS-12-OP-A, SS-12-OP-B, SS-12-SJ-B, and SS-12-SJ-D, respectively, satisfy the required -0.004" w.c. threshold, which means the SSDS is operating properly to mitigate VI in Building 12. Historic sub-slab vacuum readings for Building 12 are presented in Table 6.

The effectiveness of the SSDS in Building 12 is exhibited by satisfactory vacuum readings, and the absence of IA sample exceedances related to vapor intrusion.

3.3.3 Proposed SSDS Upgrades

Modifications

Based on the above assessment and July 15, 2015 Site walkthrough, GHD proposes additional stemlines connected to EP-1 and EP-3 (EP-1 stemline 2, and EP-3 stemline 3 on Figure 3). These proposed modifications will help reduce the risk of VI at locations SS-12-OP-B and SS-12-SJ-B from elevated concentrations of TCE. GHD also notes that increasing the vacuum by adding more suction point locations around an area with elevated SS concentrations will not remediate the source of impacted groundwater below the SS. The fluctuating SS soil vapor concentrations is related to the rate at which the COC mass diffuses from the impacted groundwater source to the sub-slab, and it is not related to the effectiveness of the SSDS at mitigating VI. A photographic log of Building 12 proposed SSDS modification locations is presented in Attachment A.

3.4 Bullseye Amusements (Nex-Gen Vending & Entertainment) – Building 14

3.4.1 Analytical Results

GHD collected samples at Bullseye Amusement (Bullseye) on July 16, 2015. GHD collected one IA sample at IA-14-C, and one SS soil vapor sample at SS-14-A. Building 14 sample locations are shown on Figure 4, and analytical results are presented in Table 7. The Building 14 July sample results did not exceed ODH screening levels.

3.4.2 Discussion

There were no exceedances at any Building 14 sample locations during the July 2015 sampling event, all concentrations were less than the ODH screening levels. The SSDS is operating effectively to mitigate VI within the building.

The SS concentrations of COCs in Building 14 have decreased since the SSDS was installed in December 2013, as can be seen from the concentrations presented on Figure 4.

System Evaluation

The average historic vacuum readings for SS-14-A, SS-14-B, and SS-14-C satisfy the required -0.004" w.c. threshold. At SS-14-E, the average, historic vacuum reading is -0.0009' w.c., which did not meet the required threshold vacuum of -0.004" w.c. and adequate vacuum was not achieved. Historic sub-slab vacuum readings for Building 14 are presented in Table 8.

The effectiveness of the SSDS in Building 14 is exhibited by the absence of IA sample exceedances related to vapor intrusion.

3.4.3 Proposed SSDS Upgrades

Modifications

Based on the above assessment and the July 15, 2015 Site walkthrough, GHD proposes an additional extraction point location EP-3 (Figure 4). GHD amended the proposed location of EP-3 from earlier figures by moving it to the east side of the building from the west side. The entire west outside of Building 14 is covered with a tree/shrub line that would make installation along the west wall problematic. The proposed EP-3 location should also influence the southern section of the building where adequate vacuum has not been achieved.

3.5 SIM Trainer – Building 15

3.5.1 Analytical Results

GHD collected samples at SIM Trainer on July 14, 2015. GHD collected two IA samples at IA-15-A and IA-15-C, and two SS soil vapor samples at SS-15-A and SS-15-C. Sample locations are shown on Figure 5, and analytical results are presented in Table 9. The July 2015 sample exceedances are summarized in the following table.

Table 3.5.1 Summary of July 2015 Building 15 VI Sample Exceedances

Location	Compound	Concentration (ppb)	ODH Screening Level
SS-15-C	Cis-1,2-Dichloroethene	780	370
	TCE	87	20
	Vinyl chloride	26	20

3.5.2 Discussion

The SS concentrations at SS-15-C exhibit seasonal fluctuations, with concentrations increasing in the warmer months. The SS concentrations of COCs in Building 15 have decreased since the SSDS was installed in January 2014, as can be seen from the concentrations presented on Figure 5.

The exceedances of ODH screening levels in July 2015 were limited to one SS soil vapor sample. The concentrations in IA samples did not exceed ODH screening levels. This indicates that the SSDS is successfully operating to mitigate VI.

During the meeting held on June 8, 2015, USEPA noted that the similarities in TCE concentrations at SS-15-A and IA-15-A in February 2014, April 2014, and February 2015 may indicate the presence of a VI pathway; the concentrations are summarized in the following table. USEPA VI Guidance (USEPA, 2015) indicates that the use of an attenuation factor of 0.03 (i.e., dilution by 33 times) between residential sub-slab and indoor air is typically a conservative means of estimating indoor air concentrations based on sub-slab results. GHD notes that the similarity in Building 15 IA and SS TCE concentrations is not consistent with anticipated vapor intrusion effects and attenuation.

Table 3.5.2 TCE Concentrations at SS-15-A and 1A-15-A and Associated TCE Attenuation Factors

	February 2014	April 2014	February 2015	July 2015
IA-15-A TCE (ppb)	2.0	3.0	1.4	1.7
SS-15-A TCE (ppb)	2.0	3.1	1.4	2.0 / 2.0
TCE concentration attenuation factor	1	0.968	1	0.85
Average TCE concentration attenuation factor		0.955		
IA-15-A Radon (pCi/L)				0.13
SS-15-A Radon (pCi/L)				3.5
Radon Attenuation Factor				0.037

GHD collected radon samples at IA-15-A and SS-15-A in July 2015 in order to determine the AF at that location. The July 2015 radon results were 0.13 and 3.5 pCi/L at IA-15-A and SS-15-A, respectively, which

results in an AF of 0.037. The AF calculated based on July 2015 radon results indicate that the similarities of TCE concentrations at SS-15-A and IA-15-A are not related to VI.

System Evaluation

The current system is operating as desired with all SS sampling locations having a historic, average, vacuum readings satisfying the -0.004" w.c. requirement across the building slab, with the exception of SS-15-H, which appears to be an anomaly. Historic SS vacuum readings for Building 15 are presented in Table 10.

The effectiveness of the SSDS in Building 15 is exhibited by satisfactory vacuum readings, and the absence of IA sample exceedances related to vapor intrusion. \

3.5.3 Proposed SSDS Upgrades

Modifications

Based on the above assessment and July 15, 2015 Site walkthrough, GHD does not propose any SSDS modifications.

3.6 Globe Equipment, Building 24

3.6.1 Analytical Results

GHD collected samples in Globe Equipment on July 16, 2015. GHD collected one IA sample at IA-24-B, and one SS soil vapor sample at SS-24-B. Building 24 sample locations are shown on Figure 6, and analytical results are presented in Table 11. There were no IA or SS soil vapor exceedances above the ODH screening levels in July 2015.

3.6.2 Discussion

The SS concentrations of COCs in Building 24 have decreased since the SSDS was installed in August 2013, as can be seen from the concentrations presented on Figure 6.

The IA and SS soil vapor July 2015 sample concentrations were less than the ODH screening levels.

System Evaluation

The average, historical vacuum readings of -0.0002" w.c., were not within the required -0.004" w.c. threshold. Historic SS vacuum readings for Building 24 are presented in Table 12. GHD notes that SS vacuum readings may be influenced by the presence of a vapor barrier underneath Building 24.

The effectiveness of the SSDS in Building 24 is exhibited by the absence of IA sample exceedances related to vapor intrusion.

3.6.3 Proposed SSDS Upgrades

Based on the above assessment and July 15, the 2015 Site walkthrough, GHD proposes to install EP-8 stemline 2 (Figure 6) to increase the SSDS ROI at SS-24-B where historic exceedances of TCE have been recorded (see comment above regarding vapor barrier).

4. Conclusions and Recommendations

Based on the July 2015 analytical results, SS samples from Buildings 8, 9, 12, and 15 continue to contain concentrations of VOCs greater than the ODH screening levels. No IA exceedances were observed in July 2015 that are attributable to VI. All IA exceedances are likely the result of on-going daily human activities within and around the building which includes IA background sources. The SSDSs are operating successfully to mitigate VI to IA in all seven buildings.

Respondents recommended SSDS modifications in Buildings 9, 12, 14, and 24 in an effort to increase the ROI and further reduce any current or future risk of VI. Respondents propose to collect confirmatory samples 60 days following installation of the proposed modifications and subsequently propose to move all buildings to annual proficiency sampling in accordance with the VI Mitigation Work Plan (CRA, May 2013). In addition, given the recent blower fan failure, Respondents propose to inspect the SSDS on a quarterly basis to confirm that the systems continue to operate as designed.

5. References

- Conestoga-Rovers & Associates (CRA). 2013. *VI Mitigation Work Plan*. May.
- United States Environmental Protection Agency (USEPA). 2011. *Background Indoor Air Concentrations of Volatile Organic Compounds in North American Residences (1990 – 2005): A Compilation of Statistics for Assessing Vapor Intrusion*. Office of Solid Waste and Emergency Response, Washington, D.C. EPA-530-R-10-001. June.
- United States Environmental Protection Agency. 2015. *OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air*. Office of Solid Waste and Emergency Response, OSWER Publication 9200.2-154. June.

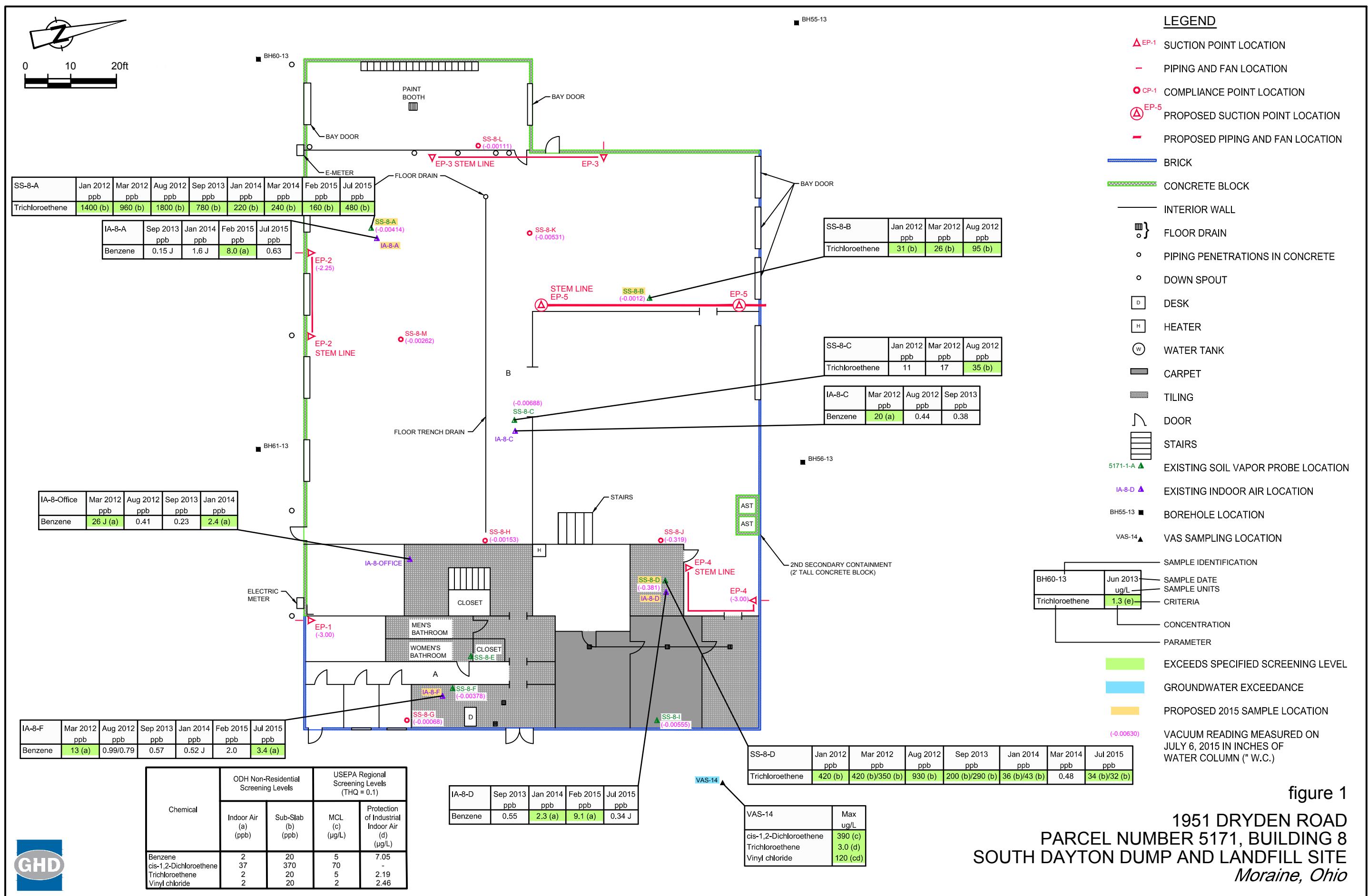
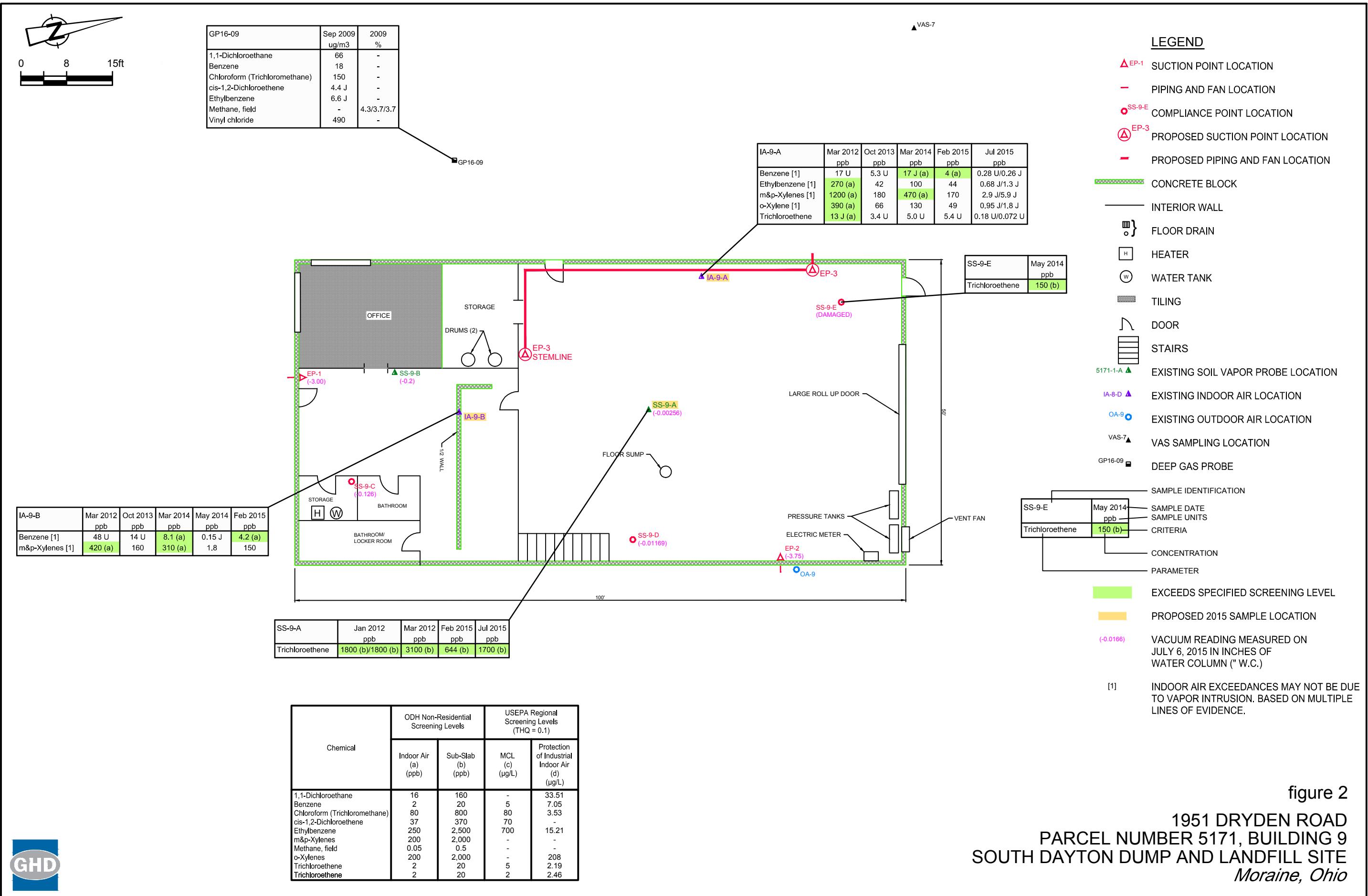


figure 1

**1951 DRYDEN ROAD
PARCEL NUMBER 5171, BUILDING 8
SOUTH DAYTON DUMP AND LANDFILL SITE
*Moraine, Ohio***



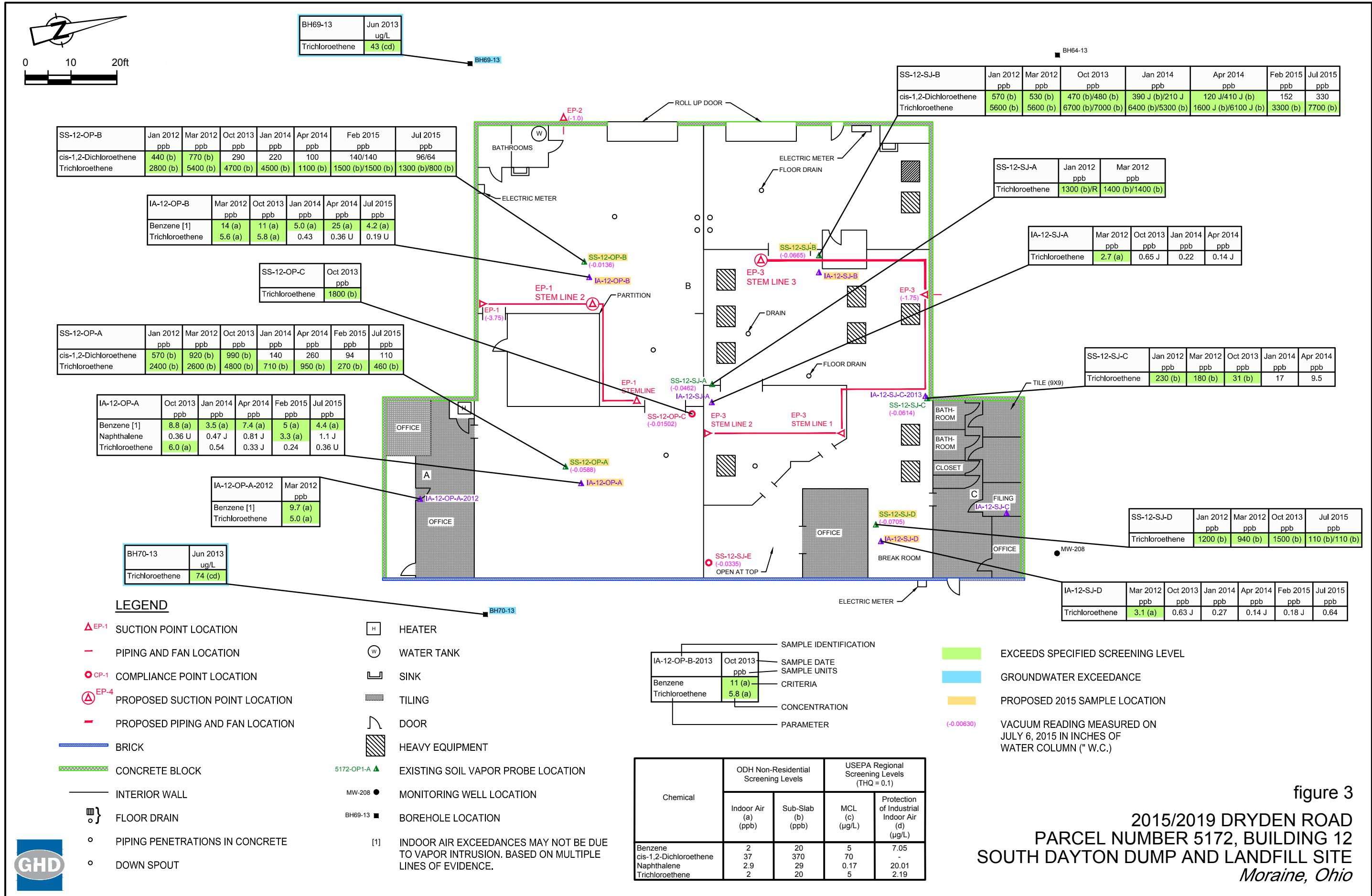
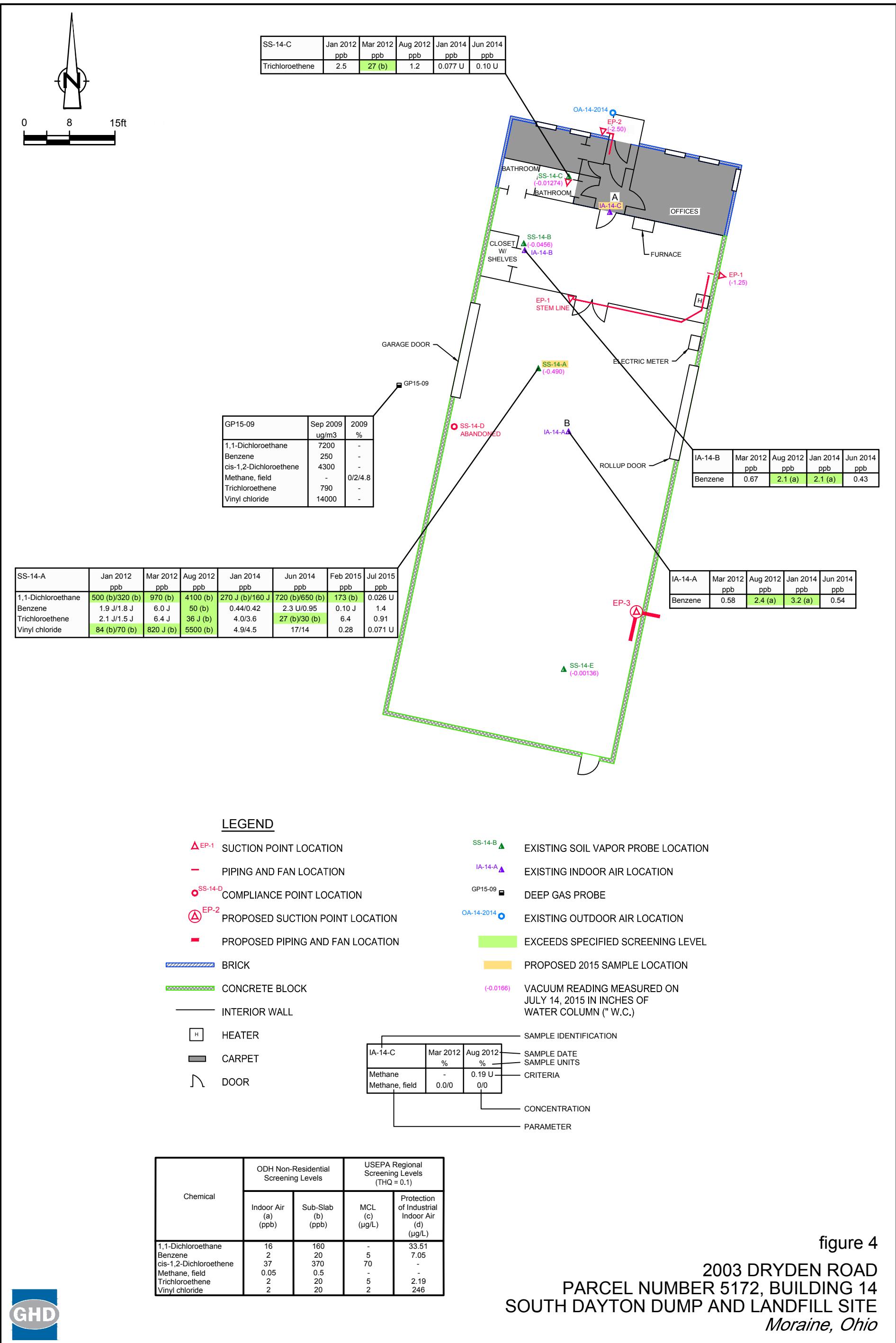
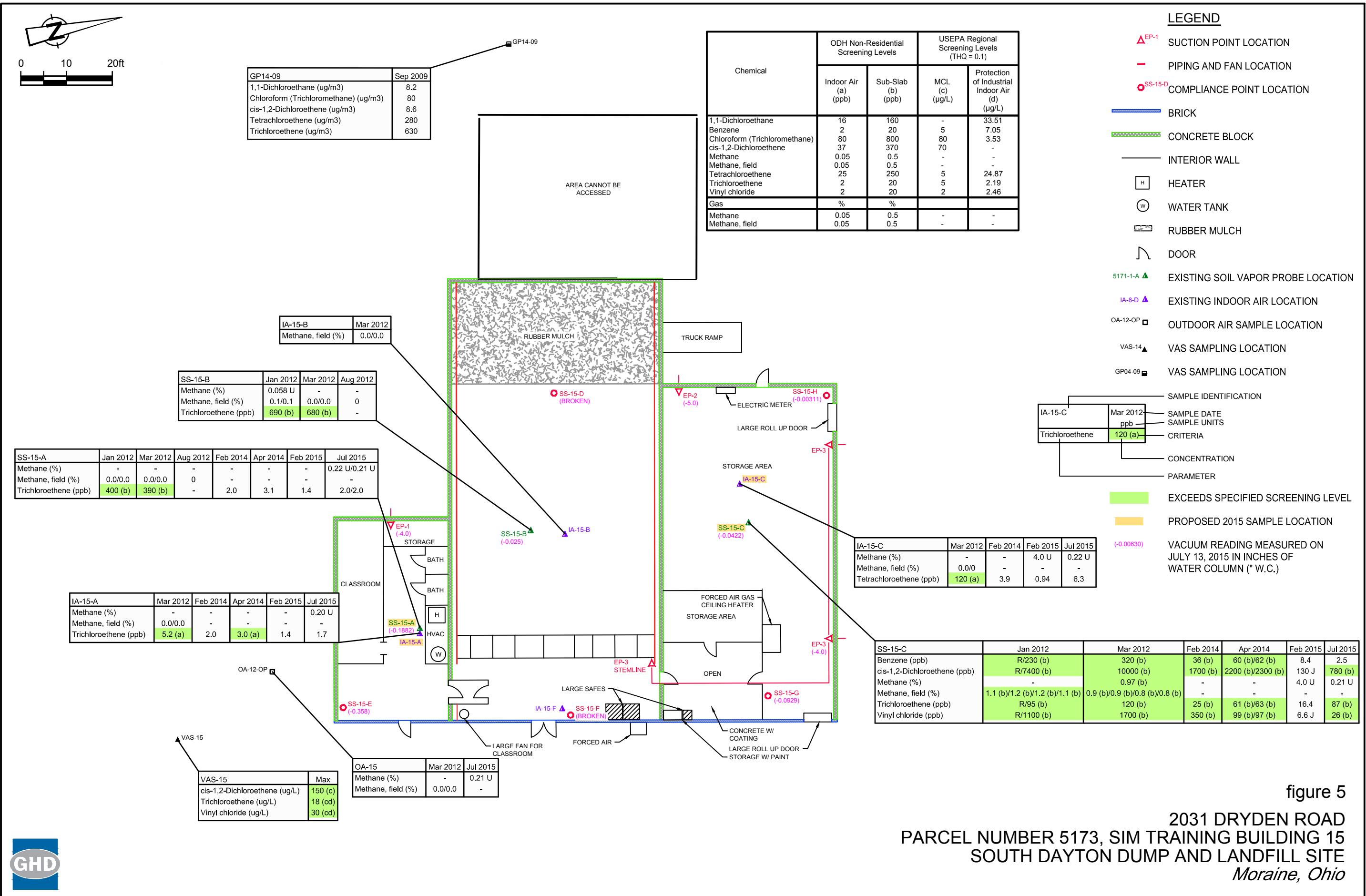


figure 3
2015/2019 DRYDEN ROAD
PARCEL NUMBER 5172, BUILDING 12
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio





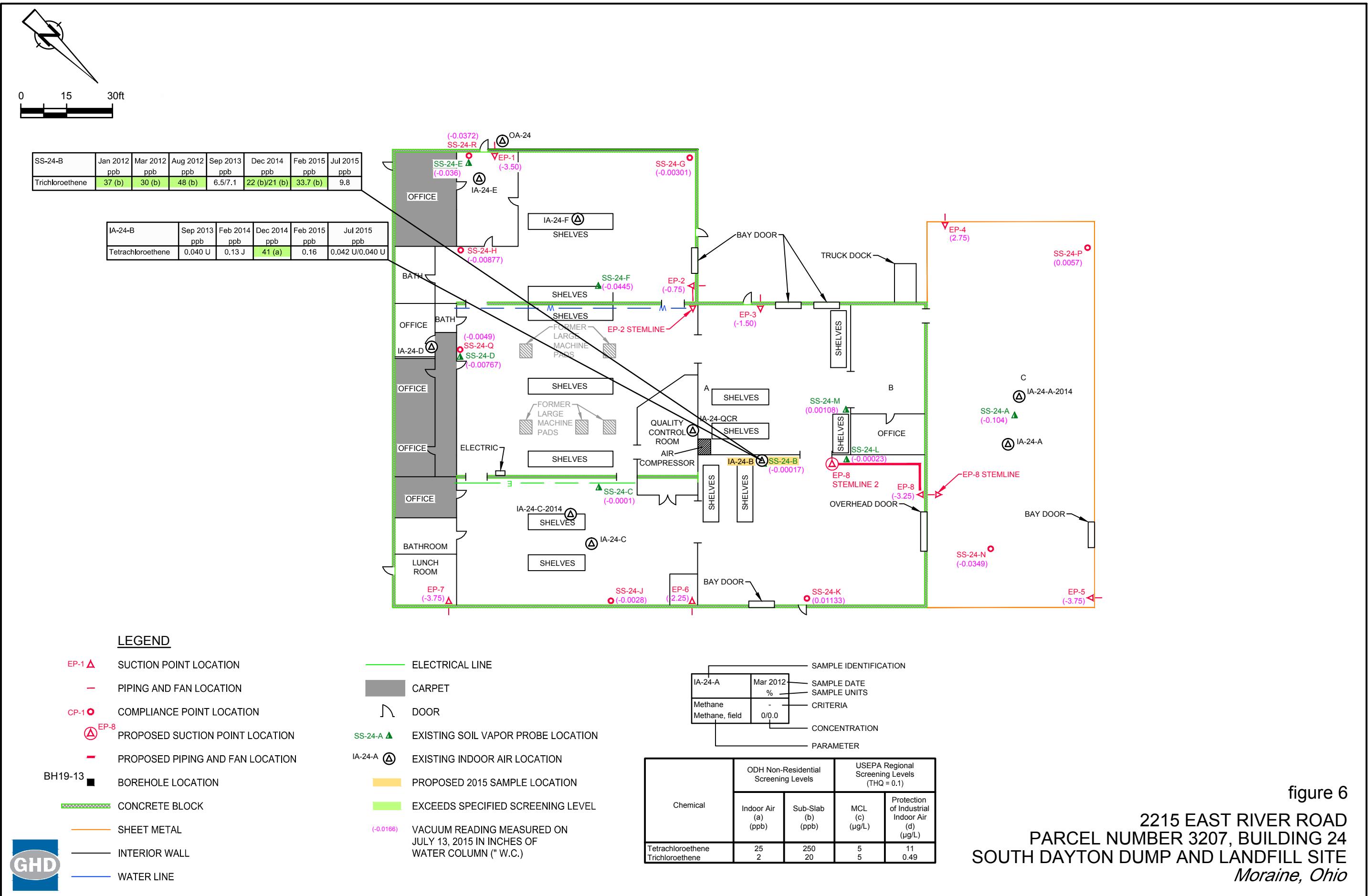


Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:					IA-8-A 9/12/2013	IA-8-A 1/9/2014	IA-8-A 2/17/2015	IA-8-A 7/15/2015	IA-8-C 3/14/2012	IA-8-C 8/7/2012	IA-8-C 9/12/2013	IA-8-D 9/12/2013
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		a	c	b	d				
Volatile Organic Compounds	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air								
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.24 U	0.13 U	0.026 U	0.95 U	0.026 U	0.026 U	0.026 U
Benzene	20	2	200	20	0.15 J	1.6 J	8.0 ^c	0.63	20 ^c	0.44	0.38	0.55
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.35 U	0.19 U	0.038 U	1.4 U	0.038 U	0.038 U	0.038 U
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.55 U	0.30 U	0.060 U	2.2 U	0.060 U	0.060 U	0.060 U
Ethylbenzene	2500	250	25000	2500	0.29	21	17	0.33	34	1.1	6.6	7.1
m&p-Xylenes	2000	200	20000	2000	1.2	100	72	1.7	140	3.7	28	31
Naphthalene	29	2.9	-	-	0.090 U	0.97 J	0.82 J	0.090 U	3.3 U	0.090 U	0.45 J	0.62
o-Xylene	2000	200	20000	2000	0.65	44	28	0.86	44	1.1	15	17
Tetrachloroethene	250	25	2500	250	0.040 U	0.36 U	0.20 U	0.040 U	1.5 U	0.062 J	0.23	0.36
Trichloroethene	20	2	200	20	0.036 U	0.33 U	1.7	0.036 U	1.5 J	0.12 J	0.076 J	0.052 J
Vinyl chloride	20	2	200	20	0.071 U	0.65 U	0.36 U	0.071 U	2.6 U	0.071 U	0.071 U	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-8-D 1/9/2014	IA-8-D 2/17/2015	IA-8-D 2/17/2015	IA-8-D 7/15/2015	IA-8-F 3/14/2012	IA-8-F 8/7/2012	IA-8-F 8/7/2012 Duplicate	IA-8-F 9/12/2013				
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	IA-8-D 1/9/2014	IA-8-D 2/17/2015	IA-8-D 2/17/2015	IA-8-D 7/15/2015	IA-8-F 3/14/2012	IA-8-F 8/7/2012	IA-8-F 8/7/2012 Duplicate	IA-8-F 9/12/2013
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air												
Volatile Organic Compounds																
1,1-Dichloroethane	160	16	1600	160			0.26 U	0.13 U	0.27 U	0.052 U	0.99 U	0.026 U	0.026 U	0.026 U		
Benzene	20	2	200	20			2.3 ^c	7.3 ^c	9.1 ^c	0.34 J	13 ^c	0.99	0.79	0.57		
Chloroform (Trichloromethane)	800	80	8000	800			0.38 U	0.19 U	0.14 U	0.076 U	1.4 U	0.091 J	0.067 J	0.047 J		
cis-1,2-Dichloroethene	370	37	3700	370			0.60 U	0.30 U	0.69 U	0.12 U	2.3 U	0.060 U	0.25	0.060 U		
Ethylbenzene	2500	250	25000	2500			41	19	25.4	7.6	27	9.5	7.6	7.2		
m&p-Xylenes	2000	200	20000	2000			190	77	74.3	43	110	36	32	32		
Naphthalene	29	2.9	-	-			1.5 J	0.45 U	0.69 U	0.39 J	3.4 U	0.090 UJ	0.096 J	0.36 J		
o-Xylene	2000	200	20000	2000			76	28	37.2	25	33	8.5	8.4	10		
Tetrachloroethene	250	25	2500	250			0.40 U	0.20 U	0.14 U	0.080 U	1.5 U	0.13 J	0.076 J	0.14 J		
Trichloroethene	20	2	200	20			0.38 J	0.32 J	0.44	0.072 U	1.4 U	0.96	0.89	0.11 J		
Vinyl chloride	20	2	200	20			0.71 U	0.36 U	0.14 U	0.14 U	2.7 U	0.071 U	0.071 U	0.071 U		

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-8-F 1/9/2014	IA-8-F 2/17/2015	IA-8-F 7/15/2015	IA-8-Office 3/14/2012	IA-8-Office 8/7/2012	IA-8-Office 9/12/2013	IA-8-Office 1/9/2014	OA-8 3/14/2012
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d				
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.065 UJ	0.026 U	0.10 U	6.1 U	0.026 U	0.026 U	0.26 U	0.026 U
Benzene	20	2	200	20	0.52 J	2.0	3.4 ^c	26 J ^{cd}	0.41	0.23	2.4 ^c	0.41
Chloroform (Trichloromethane)	800	80	8000	800	0.095 UJ	0.038 U	0.15 U	9.0 U	0.043 J	0.059 J	0.38 U	0.17 J
cis-1,2-Dichloroethene	370	37	3700	370	0.15 UJ	0.060 U	0.24 U	14 U	0.060 U	0.060 U	0.60 U	0.060 U
Ethylbenzene	2500	250	25000	2500	12 J	4.4	26	22 J	3.8	2.9	28	0.16 J
m&p-Xylenes	2000	200	20000	2000	56 J	19	100	89	15	12	130	0.52
Naphthalene	29	2.9	-	-	0.27 J	0.25 J	0.36 U	21 U	0.090 U	0.39 J	1.4 J	0.090 U
o-Xylene	2000	200	20000	2000	18 J	6.9	33	30 J	4.3	4.6	54	0.19 J
Tetrachloroethene	250	25	2500	250	0.10 UJ	0.055 J	2.1	9.5 U	0.040 U	0.091 J	0.40 U	0.18 J
Trichloroethene	20	2	200	20	0.14 J	0.17 J	0.24 J	8.5 U	0.29	0.057 J	0.36 U	0.052 J
Vinyl chloride	20	2	200	20	0.18 UJ	0.071 U	0.28 U	17 U	0.071 U	0.071 U	0.71 U	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					OA-8 8/7/2012	OA-8 1/9/2014	OA-8 7/15/2015	OA-8-2015 2/17/2015	SS-8-A 1/11/2012	SS-8-A 3/14/2012	SS-8-A 8/7/2012	SS-8-A 9/12/2013
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d				
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U	0.026 U	2.8 U	2.8 U	0.25 J	0.81 U
Benzene	20	2	200	20	0.30	0.25	0.098 J	0.32	1.5 U	6.0 U	1.1 J	1.8 U
Chloroform (Trichloromethane)	800	80	8000	800	0.042 J	0.038 U	0.038 U	0.038 U	16	17 J	25	9.8
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	0.060 U	27	28	48	110
Ethylbenzene	2500	250	25000	2500	1.9	0.16 J	0.073 J	0.068 J	1.8 U	7.3 U	0.54 U	2.1 U
m&p-Xylenes	2000	200	20000	2000	8.2	0.59	0.27	0.19 J	3.9 U	13 U	1.4 J	5.2 J
Naphthalene	29	2.9	-	-	0.090 UJ	0.090 UJ	0.090 U	0.090 U	6.9 UJ	9.6 U	0.72 UJ	2.8 U
o-Xylene	2000	200	20000	2000	2.5	0.22	0.093 J	0.069 J	1.8 U	6.5 U	0.69 J	1.9 U
Tetrachloroethene	250	25	2500	250	0.040 U	0.040 U	0.040 U	0.040 U	8.5 J	7.8 J	15	15
Trichloroethene	20	2	200	20	0.072 J	0.036 U	0.036 U	0.036 U	1400 ^{ab}	960 ^{ab}	1800 ^{ab}	780 ^{ab}
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.071 U	2.3 U	7.6 U	0.57 U	2.2 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:				SS-8-A 1/9/2014	SS-8-A 3/10/2014	SS-8-A 2/17/2015	SS-8-A 2/17/2015	SS-8-A 7/15/2015	SS-8-B 1/11/2012	SS-8-B 3/14/2012	SS-8-B 8/7/2012	
Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels									
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.26 U	0.26 U	0.29 U	0.13 U	1.5 U	0.10 U	0.13 U	0.26 U
Benzene	20	2	200	20	0.56 U	1.5 J	0.65	0.57 J	3.2 U	0.13 J	1.1	0.74 J
Chloroform (Trichloromethane)	800	80	8000	800	2.2	3.9	1.9	1.8	7.3 J	0.74	1.0	2.3
cis-1,2-Dichloroethene	370	37	3700	370	17	20	16.3	13	29	0.49 J	0.55 J	1.4 J
Ethylbenzene	2500	250	25000	2500	0.97 J	0.68 U	6.6	4.4	3.9 U	0.80	0.34 U	1.0 J
m&p-Xylenes	2000	200	20000	2000	4.3	1.2 J	38.3	26	6.9 U	1.1 J	0.60 U	4.1
Naphthalene	29	2.9	-	-	0.90 UJ	0.90 U	0.94	0.45 U	5.2 U	0.26 U	0.45 U	0.90 U
o-Xylene	2000	200	20000	2000	1.7 J	0.61 U	27.4	20	3.5 U	0.40 J	0.30 U	1.8 J
Tetrachloroethene	250	25	2500	250	3.3	3.1	3	2.2	7.1 J	76	79	220
Trichloroethene	20	2	200	20	220 ^{ab}	240 ^{ab}	158 ^a	160 ^a	480 ^{ab}	31 ^a	26 ^a	95 ^a
Vinyl chloride	20	2	200	20	0.71 U	0.71 U	0.15 U	0.36 U	4.1 U	0.087 U	0.36 U	0.71 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					SS-8-C 1/11/2012	SS-8-C 3/14/2012	SS-8-C 8/7/2012	SS-8-D 1/11/2012	SS-8-D 3/14/2012	SS-8-D 3/14/2012 Duplicate	SS-8-D 8/7/2012	SS-8-D 9/12/2013			
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	SS-8-C 1/11/2012	SS-8-C 3/14/2012	SS-8-C 8/7/2012	SS-8-D 1/11/2012	SS-8-D 3/14/2012	SS-8-D 8/7/2012	SS-8-D 9/12/2013
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air											
Volatile Organic Compounds															
1,1-Dichloroethane	160	16	1600	160	0.076 J	0.28 U	0.22 J	0.69 U	0.75 U	0.75 U	1.0 U	0.26 U			
Benzene	20	2	200	20	0.077 J	0.59 U	0.28 U	0.35 U	1.6 U	1.6 U	2.2 U	0.56 U			
Chloroform (Trichloromethane)	800	80	8000	800	0.89	1.4 J	3.3	3.8 J	4.9 J	5.0 J	7.4 J	2.6			
cis-1,2-Dichloroethene	370	37	3700	370	1.7	2.7	5.0	10	13	14	20	4.6			
Ethylbenzene	2500	250	25000	2500	0.10 J	0.72 U	0.34 U	0.43 U	2.0 U	2.0 U	2.7 U	0.68 U			
m&p-Xylenes	2000	200	20000	2000	0.42 J	1.3 U	0.60 U	0.95 U	3.4 U	3.4 U	4.7 U	1.9 J			
Naphthalene	29	2.9	-	-	0.13 UJ	0.95 U	0.45 U	1.7 UJ	2.6 U	2.6 U	3.5 U	0.90 U			
o-Xylene	2000	200	20000	2000	0.15 J	0.65 U	0.30 U	0.43 U	1.8 U	1.8 U	2.4 U	0.84 J			
Tetrachloroethene	250	25	2500	250	21	32	78	8.4	14	11	28	11			
Trichloroethene	20	2	200	20	11	17	35 ^a	420 ^{ab}	420 ^{ab}	350 ^{ab}	930 ^{ab}	200 ^a			
Vinyl chloride	20	2	200	20	0.044 U	0.75 U	0.36 U	0.57 U	2.0 U	2.0 U	2.8 U	0.71 U			

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:					SS-8-D 9/12/2013	SS-8-D 1/9/2014	SS-8-D 1/9/2014	SS-8-D 3/10/2014	SS-8-D 7/15/2015	SS-8-D 7/15/2015	SS-8-F 1/11/2012	SS-8-F 1/11/2012
Sample Date:					Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-8-D 9/12/2013	SS-8-D 1/9/2014	SS-8-D 1/9/2014	SS-8-D 3/10/2014	SS-8-D 7/15/2015	SS-8-D 7/15/2015	SS-8-F 1/11/2012	SS-8-F 1/11/2012
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.26 U	0.052 U	0.065 U	0.029 J	0.052 U	0.033 U	0.035 U	0.052 U
Benzene	20	2	200	20	0.56 U	0.65	0.69	3.8	0.35 J	0.27	0.17 J	0.18 J
Chloroform (Trichloromethane)	800	80	8000	800	3.5	0.53	0.59	0.068 J	0.53	0.53	0.19 J	0.20 J
cis-1,2-Dichloroethene	370	37	3700	370	6.1	1.2	1.4	0.21	1.8	1.8	0.014 U	0.021 U
Ethylbenzene	2500	250	25000	2500	0.68 U	2.4	3.5	15	0.56	0.44	0.20	0.18 J
m&p-Xylenes	2000	200	20000	2000	2.2	8.0	12	57	3.0	2.3	0.44 J	0.31 J
Naphthalene	29	2.9	-	-	0.90 U	0.18 UJ	0.23 UJ	0.60	0.18 U	0.11 U	0.086 UJ	0.13 J
o-Xylene	2000	200	20000	2000	1.0 J	4.3	6.4	27	1.6	1.3	0.18 J	0.13 J
Tetrachloroethene	250	25	2500	250	15	3.6	4.5	0.57	5.6	5.1	0.59	0.62
Trichloroethene	20	2	200	20	290 ^{ab}	36 ^a	43 ^a	0.48	34 ^a	32 ^a	5.3	5.6
Vinyl chloride	20	2	200	20	0.71 U	0.14 U	0.18 U	0.071 U	0.14 U	0.089 U	0.029 U	0.043 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-8-F 3/14/2012	SS-8-F 8/7/2012	SS-8-F 7/15/2015			
	Sub-Slab Soil Gas		Indoor Air							
	a	c	b	d						
Volatile Organic Compounds										
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U			
Benzene	20	2	200	20	0.26	0.23	0.099 J			
Chloroform (Trichloromethane)	800	80	8000	800	0.22	0.14 J	0.18 J			
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U			
Ethylbenzene	2500	250	25000	2500	0.43	0.79	0.18 J			
m&p-Xylenes	2000	200	20000	2000	1.2	2.9	0.64			
Naphthalene	29	2.9	-	-	0.090 U	0.090 U	0.090 U			
o-Xylene	2000	200	20000	2000	0.37	0.83	0.23			
Tetrachloroethene	250	25	2500	250	0.81	0.50	0.95			
Trichloroethene	20	2	200	20	5.3	3.0	2.4			
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U			

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UU - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 2

Summary Of Building 9 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		IA-9-A 3/27/2012	IA-9-A 10/24/2013	IA-9-A 3/10/2014	IA-9-A 2/17/2015	IA-9-A 2/17/2015	IA-9-A 7/15/2015	IA-9-A 7/15/2015 Duplicate	IA-9-B 3/14/2012
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	7.9 U	2.5 U	3.6 U	3.9 U	0.29 U	0.13 U	0.052 U	22 U
Benzene	20	2	200	20	17 U	5.3 U	17 J ^c	8.5 U	4 ^c	0.28 U	0.26 J	48 U
Chloroform (Trichloromethane)	800	80	8000	800	12 U	3.6 U	5.3 U	5.8 U	0.14 U	0.19 U	0.076 U	32 U
cis-1,2-Dichloroethene	370	37	3700	370	18 U	5.7 U	8.4 U	9.1 U	0.72 U	0.30 U	0.12 U	51 U
Ethylbenzene	2500	250	25000	2500	270 ^c	42	100	44	36.7	0.68 J	1.3 J	94 J
m&p-Xylenes	2000	200	20000	2000	1200 ^c	180	470 ^c	170	103	2.9 J	5.9 J	420 ^c
Naphthalene	29	2.9	-	-	27 U	8.5 U	13 U	14 U	0.71 U	0.45 U	0.18 UJ	76 U
o-Xylene	2000	200	20000	2000	390 ^c	66	130	49	40.1	0.95 J	1.8 J	150 J
Tetrachloroethylene	250	25	2500	250	12 U	3.8 U	5.6 U	6.1 U	0.14 U	0.20 U	0.080 U	34 U
Trichloroethylene	20	2	200	20	13 J ^c	3.4 U	5.0 U	5.4 U	0.14 U	0.18 U	0.072 U	31 U
Vinyl chloride	20	2	200	20	22 U	6.7 U	9.9 U	11 U	0.14 U	0.36 U	0.14 U	60 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 2

Summary Of Building 9 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-9-B 10/24/2013	IA-9-B 3/10/2014	IA-9-B 5/20/2014	IA-9-B 2/17/2015	IA-9-E 5/20/2014	IA-9-E 5/20/2014 Duplicate	OA-9 3/14/2012	OA-9 10/24/2013			
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	IA-9-B 10/24/2013	IA-9-B 3/10/2014	IA-9-B 5/20/2014	IA-9-B 2/17/2015	IA-9-E 5/20/2014	OA-9 3/14/2012	OA-9 10/24/2013
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air											
Volatile Organic Compounds															
1,1-Dichloroethane	160	16	1600	160	6.3 U	0.47 U	0.026 U	0.52 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	
Benzene	20	2	200	20	14 U	8.1 ^c	0.15 J	4.2 ^c	0.17 J	0.19 J	0.32	0.32	0.056 U		
Chloroform (Trichloromethane)	800	80	8000	800	9.2 U	0.69 U	0.038 U	0.76 U	0.038 U	0.038 U	0.17 J	0.038 U			
cis-1,2-Dichloroethene	370	37	3700	370	15 U	1.1 U	0.060 U	1.2 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U		
Ethylbenzene	2500	250	25000	2500	39 J	73	0.41	39	3.1	3.9	0.14 J	0.068 U			
m&p-Xylenes	2000	200	20000	2000	160	310 ^c	1.8	150	13	17	0.48	0.12 U			
Naphthalene	29	2.9	-	-	22 U	1.6 U	0.090 U	1.8 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U		
o-Xylene	2000	200	20000	2000	60	85	0.70	44	5.0	6.3	0.16 J	0.061 U			
Tetrachloroethylene	250	25	2500	250	9.7 U	0.73 U	0.040 U	0.80 U	0.040 U	0.040 U	0.23	0.040 U			
Trichloroethylene	20	2	200	20	8.7 U	0.65 U	0.036 U	0.72 U	0.036 U	0.036 U	0.50	0.036 U			
Vinyl chloride	20	2	200	20	17 U	1.3 U	0.071 U	1.4 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U		

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 2

Summary Of Building 9 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					OA-9 3/10/2014	OA-9 5/20/2014	OA-9 2/17/2015	OA-9 7/15/2015	OA-9-Tree 3/27/2012	SS-9-A 1/11/2012	SS-9-A 1/11/2012 Duplicate	SS-9-A 3/27/2012
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d				
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	3.5 U	3.5 U	4.3 U
Benzene	20	2	200	20	0.25	0.16 J	0.31	0.079 J	0.15 J	1.8 U	1.8 U	9.2 U
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	4.6 J	4.3 J	8.6 J
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	1.4 U	1.4 U	9.9 U
Ethylbenzene	2500	250	25000	2500	0.10 J	0.068 U	0.068 U	0.068 U	0.068 U	2.2 U	2.2 U	11 U
m&p-Xylenes	2000	200	20000	2000	0.36	0.16 J	0.14 J	0.24	0.12 U	4.8 U	4.8 U	20 U
Naphthalene	29	2.9	-	-	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	8.6 UJ	8.6 UJ	15 U
o-Xylene	2000	200	20000	2000	0.11 J	0.066 J	0.061 U	0.083 J	0.061 U	2.2 U	2.2 U	10 U
Tetrachloroethylene	250	25	2500	250	0.040 U	0.064 J	0.040 U	0.040 U	0.040 U	48	54	80
Trichloroethylene	20	2	200	20	0.036 U	0.036 U	0.45	0.036 U	0.042 J	1800 ^{ab}	1800 ^{ab}	3100 ^{ab}
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	2.9 U	2.9 U	12 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 2

Summary Of Building 9 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					SS-9-A 2/17/2015	SS-9-A 2/17/2015	SS-9-A 7/15/2015	SS-9-B 1/11/2012	SS-9-B 3/14/2012	SS-9-B 5/20/2014	SS-9-E 5/20/2014			
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	SS-9-A 2/17/2015	SS-9-A 7/15/2015	SS-9-B 1/11/2012	SS-9-B 3/14/2012	SS-9-B 5/20/2014	SS-9-E 5/20/2014
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air										
Volatile Organic Compounds														
1,1-Dichloroethane	160	16	1600	160	0.29 U	1.7 U	2.5 U	2.6 U	5.4 U	1.9	0.21 U			
Benzene	20	2	200	20	2	3.6 U	5.5 U	1.4 U	12 U	0.056 U	0.45 U			
Chloroform (Trichloromethane)	800	80	8000	800	0.69	2.5 U	3.7 U	2.3 U	7.9 U	1.6	0.64 J			
cis-1,2-Dichloroethene	370	37	3700	370	0.72 U	3.9 U	5.8 U	1.1 U	12 U	0.060 U	0.48 U			
Ethylbenzene	2500	250	25000	2500	4.8	4.4 U	6.6 U	22	19 J	2.0	2.1			
m&p-Xylenes	2000	200	20000	2000	6.1	7.8 U	12 U	92	76	9.2	8.9			
Naphthalene	29	2.9	-	-	0.71 U	5.9 U	8.8 UJ	6.5 UJ	19 U	0.090 U	0.72 U			
o-Xylene	2000	200	20000	2000	0.93	4.0 U	5.9 U	27	26 J	3.0	3.0			
Tetrachloroethylene	250	25	2500	250	30.5	23	86	0.83 U	8.3 U	0.50	8.2			
Trichloroethylene	20	2	200	20	644 ^{ab}	580 ^{ab}	1700 ^{ab}	2.3 U	7.5 U	1.3	150 ^a			
Vinyl chloride	20	2	200	20	0.14 U	4.6 U	6.9 U	2.2 U	15 U	0.071 U	0.57 U			

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 3

Page 1 of 1

Summary of Historic Vacuum Readings
B+G Trucking
1951 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Historic Sub-Slab Vacuum Readings^{1,2}

Sub-Slab Location	9/30/2013	10/11/2013	2/17/2015	7/6/2015	Historic Average Vacuum Readings
SS-9-A	nm	-0.01404	-0.01246	-0.00256	-0.0097
SS-9-B	-0.114	-0.1197	-0.1687	-0.2	-0.1506
SS-9-C	-0.0689	-0.0678	-0.0981	-0.126	-0.0902
SS-9-D	-0.0047	-0.0049	0.00107	-0.01169	-0.0051
SS-9-E	-0.016	-0.0166	damaged	damaged	-0.0163
Extraction Point					
EP-1	nm	-3	-3.25	-3	-3.1
EP-2	nm	-3.75	-4	-3.75	-3.8

Notes :

-- Denotes no exceedances at sample location

nm - Denotes not monitored

N/A - Denotes the value is not applicable or can't be calculated

¹ - All vacuum readings are in units of inches of water column (in WC.)

² - All presented vacuum readings are after last system upgrade on 8/3/2013

Table 4

Summary Of Building 12 - Overstreet Painting VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:											
Sample Date:											
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		IA-12-OP-A 10/24/2013	IA-12-OP-A 1/17/2014	IA-12-OP-A 4/3/2014	IA-12-OP-A 2/18/2015	IA-12-OP-A 2/18/2015	IA-12-OP-A 7/13/2015	IA-12-OP-A-2012 3/15/2012
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d							
Volatile Organic Compounds											
1,1-Dichloroethane	160	16	1600	160	0.10 U	0.026 U	0.052 U	R	0.24 U	0.26 U	0.026 U
Benzene	20	2	200	20	8.8 ^c	3.5 ^c	7.4 ^c	R	5 ^c	4.4 ^c	9.7 ^c
Chloroform (Trichloromethane)	800	80	8000	800	0.15 U	0.038 U	0.076 U	R	0.12 U	0.38 U	0.23
cis-1,2-Dichloroethene	370	37	3700	370	0.35 J	0.060 U	0.12 U	R	0.62 U	0.60 U	0.35
Ethylbenzene	2500	250	25000	2500	9.9	4.8	12	R	8.8	10	8.4
m&p-Xylenes	2000	200	20000	2000	37	19	46	R	34.4	44	34
Naphthalene	29	2.9	-	-	0.36 U	0.47 J	0.81 J	R	3.3 ^c	1.1 J	0.37 J
o-Xylene	2000	200	20000	2000	12	6.2	17	R	10.1	15	12
Tetrachloroethene	250	25	2500	250	0.16 U	0.18 U	0.080 U	R	0.13 U	0.40 U	0.24
Trichloroethene	20	2	200	20	6.0 ^c	0.54	0.33 J	R	0.24	0.36 U	5.0 ^c
Vinyl chloride	20	2	200	20	0.28 U	0.071 U	0.14 U	R	0.13 U	0.71 U	0.071 U
Radiology											
Radon-222	-	-	-	-	-	-	-	-	-	-	2.1 +/-0.1

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 4

Summary Of Building 12 - Overstreet Painting VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-12-OP-B 3/15/2012	IA-12-OP-B 10/24/2013	IA-12-OP-B 1/17/2014	IA-12-OP-B 4/3/2014	IA-12-OP-B 7/13/2015	OA-12-OP 3/15/2012	OA-12-OP 4/3/2014
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d			
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air							
Volatile Organic Compounds											
1,1-Dichloroethane	160	16	1600	160	0.10 U	0.10 U	0.026 U	0.26 U	0.14 U	0.026 U	0.026 U
Benzene	20	2	200	20	14 ^c	11 ^c	5.0 ^c	25 ^{cd}	4.2 ^c	0.22	0.33
Chloroform (Trichloromethane)	800	80	8000	800	0.37 J	0.15 U	0.038 U	0.38 U	0.21 J	0.074 J	0.038 U
cis-1,2-Dichloroethene	370	37	3700	370	0.37 J	0.36 J	0.060 U	0.60 U	0.31 U	0.060 U	0.060 U
Ethylbenzene	2500	250	25000	2500	10	13	7.4	29	8.9	0.068 U	0.13 J
m&p-Xylenes	2000	200	20000	2000	37	50	29	110	37	0.12 U	0.44
Naphthalene	29	2.9	-	-	0.89 J	0.54 J	0.51 J	0.90 U	0.47 U	0.090 U	0.090 U
o-Xylene	2000	200	20000	2000	12	16	9.4	38	12	0.061 U	0.17 J
Tetrachloroethene	250	25	2500	250	0.51 J	0.16 U	0.12 U	0.40 U	0.21 U	0.057 J	0.040 U
Trichloroethene	20	2	200	20	5.6 ^c	5.8 ^c	0.43	0.36 U	0.19 U	0.10 J	0.036 U
Vinyl chloride	20	2	200	20	0.28 U	0.28 U	0.071 U	0.71 U	0.37 U	0.071 U	0.071 U
Radiology											
Radon-222	-	-	-	-	2.0 +/-0.1	-	-	-	0.04 +/-0.06	-	-

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 4

Summary Of Building 12 - Overstreet Painting VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					OA-12-OP-2015 2/18/2015	OA-12-OP-2015 7/13/2015	SS-12-OP-A 1/6/2012	SS-12-OP-A 3/15/2012	SS-12-OP-A 10/24/2013	SS-12-OP-A 1/17/2014	SS-12-OP-A 4/3/2014
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels								
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d							
Volatile Organic Compounds											
1,1-Dichloroethane	160	16	1600	160	0.026 UJ	0.026 U	5.3 U	5.8 J	6.6 U	0.61 U	2.1 U
Benzene	20	2	200	20	0.15 J	0.12 J	2.7 U	3.9 U	14 U	1.3 U	4.6 U
Chloroform (Trichloromethane)	800	80	8000	800	0.038 UJ	0.038 U	51	66	100	11	17
cis-1,2-Dichloroethene	370	37	3700	370	0.060 UJ	0.060 U	570 ^a	920 ^a	990 ^a	140	260
Ethylbenzene	2500	250	25000	2500	0.068 UJ	0.084 J	3.3 U	4.7 U	17 U	1.6 U	5.6 U
m&p-Xylenes	2000	200	20000	2000	0.12 UJ	0.32	7.2 U	8.3 U	30 U	2.8 U	9.8 U
Naphthalene	29	2.9	-	-	0.090 UJ	0.090 U	13 U	6.2 U	23 U	2.1 U	7.4 U
o-Xylene	2000	200	20000	2000	0.061 UJ	0.12 J	3.3 U	4.2 U	15 U	1.4 U	5.0 U
Tetrachloroethene	250	25	2500	250	0.040 UJ	0.040 U	3.8 J	3.9 J	10 U	1.1 J	3.3 U
Trichloroethene	20	2	200	20	0.036 UJ	0.036 U	2400 ^{ab}	2600 ^{ab}	4800 ^{ab}	710 ^{ab}	950 ^{ab}
Vinyl chloride	20	2	200	20	0.071 UJ	0.071 U	4.4 U	4.9 U	18 U	1.7 U	5.8 U
Radiology											
Radon-222	-	-	-	-	-	-	-	-	418 +/-21	-	-

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 4

Summary Of Building 12 - Overstreet Painting VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:												
Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-12-OP-A 2/18/2015	SS-12-OP-A 7/13/2015	SS-12-OP-B 1/6/2012	SS-12-OP-B 3/15/2012	SS-12-OP-B 10/24/2013	SS-12-OP-B 1/17/2014	SS-12-OP-B 4/3/2014	SS-12-OP-B 2/18/2015
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.52 U	0.35 U	5.2 U	5.9 U	5.2 U	2.1 U	2.1 U	3.6 U
Benzene	20	2	200	20	1.1 U	0.76 U	2.7 U	13 U	11 U	4.5 U	16	7.7 U
Chloroform (Trichloromethane)	800	80	8000	800	6.1	8.8	71	110	97	68	22	25 J
cis-1,2-Dichloroethene	370	37	3700	370	94	110	440 ^a	770 ^a	290	220	100	140
Ethylbenzene	2500	250	25000	2500	1.4 U	0.93 U	3.3 U	15 U	14 U	5.4 U	21	9.3 U
m&p-Xylenes	2000	200	20000	2000	3.4 J	3.2	7.1 U	27 U	24 U	9.6 U	78	16 U
Naphthalene	29	2.9	-	-	1.8 U	1.2 U	13 U	20 U	18 U	7.2 U	7.1 U	12 U
o-Xylene	2000	200	20000	2000	1.2 U	1.2 J	3.3 U	14 U	12 U	4.9 U	27	8.4 U
Tetrachloroethylene	250	25	2500	250	14	1.7 J	4.9 J	9.8 J	30 J	37	13 J	16 J
Trichloroethylene	20	2	200	20	270 ^{ab}	460 ^{ab}	2800 ^{ab}	5400 ^{ab}	4700 ^{ab}	4500 ^{ab}	1100 ^{ab}	1500 ^{ab}
Vinyl chloride	20	2	200	20	1.4 U	0.97 U	4.3 U	16 U	14 U	5.7 U	5.6 U	9.8 U
Radiology												
Radon-222	-	-	-	-	-	-	-	-	514 +/-26	-	-	-

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UU - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 4

Summary Of Building 12 - Overstreet Painting VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-12-OP-B 2/18/2015	SS-12-OP-B 7/13/2015	SS-12-OP-B 7/13/2015	SS-12-OP-C 10/24/2013
	Sub-Slab Soil Gas		Indoor Air		Duplicate	Duplicate	Duplicate	Duplicate
	a	c	b	d				
Volatile Organic Compounds								
1,1-Dichloroethane	160	16	1600	160	3.5 U	3.1 U	2.5 U	-
Benzene	20	2	200	20	7.6 U	6.8 U	5.3 U	-
Chloroform (Trichloromethane)	800	80	8000	800	24 J	15 J	11 J	-
cis-1,2-Dichloroethene	370	37	3700	370	140	96	64	-
Ethylbenzene	2500	250	25000	2500	9.3 U	8.2 U	6.4 U	-
m&p-Xylenes	2000	200	20000	2000	16 U	14 U	11 U	-
Naphthalene	29	2.9	-	-	12 U	11 U	8.5 U	-
o-Xylene	2000	200	20000	2000	8.3 U	7.4 U	5.8 U	-
Tetrachloroethene	250	25	2500	250	16 J	24	17 J	-
Trichloroethene	20	2	200	20	1500 ^{ab}	1300 ^{ab}	800 ^{ab}	1800 ^{ab}
Vinyl chloride	20	2	200	20	9.7 U	8.6 U	6.7 U	-
Radiology								
Radon-222	-	-	-	-	-	166 +/-8	-	-

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 5

Summary Of Building 12 - S+J Precision VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:												
Sample Date:												
Parameters	ODH Non-Residential Screening Levels				ODH Non-Residential Action Levels							
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	IA-12-SJ-A 3/7/2012	IA-12-SJ-A 10/24/2013	IA-12-SJ-A 1/17/2014	IA-12-SJ-A 4/2/2014	IA-12-SJ-B 10/24/2013	IA-12-SJ-B 2/18/2015	IA-12-SJ-B 7/13/2015	IA-12-SJ-C 10/24/2013
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.13 U	0.026 U	0.026 U	0.13 U	0.47 U	0.026 U	0.13 U
Benzene	20	2	200	20	0.22	0.34 J	0.20	0.28	0.31 J	1.0 U	0.24	0.34 J
Chloroform (Trichloromethane)	800	80	8000	800	0.066 J	0.19 U	0.038 U	0.038 U	0.19 U	0.69 U	0.085 J	0.19 U
cis-1,2-Dichloroethene	370	37	3700	370	0.077 J	0.30 U	0.060 U	0.060 U	0.30 U	1.1 U	0.060 U	0.30 U
Ethylbenzene	2500	250	25000	2500	0.17 J	1.1	0.77	6.1	1.1	15	2.7	1.5
m&p-Xylenes	2000	200	20000	2000	0.58	3.6	2.6	14	3.3	41 J	7.9	4.4
Naphthalene	29	2.9	-	-	0.12 J	0.45 U	0.090 UJ	0.097 J	0.45 U	1.6 U	0.70	0.45 U
o-Xylene	2000	200	20000	2000	0.25	1.2	0.80	2.7	1.1	9.4	3.3	1.2
Tetrachloroethylene	250	25	2500	250	0.62	0.40 J	0.33	0.41	0.43 J	0.73 U	0.58	0.60 J
Trichloroethylene	20	2	200	20	2.7 ^c	0.65 J	0.22	0.14 J	0.55 J	1.4 J	0.20	0.69 J
Vinyl chloride	20	2	200	20	0.071 U	0.36 U	0.071 U	0.071 U	0.36 U	1.3 U	0.071 U	0.36 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 5

Summary Of Building 12 - S+J Precision VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:																
Sample Date:																
Parameters	ODH Non-Residential Screening Levels				ODH Non-Residential Action Levels				IA-12-SJ-C 1/17/2014	IA-12-SJ-C 4/2/2014	A-12-SJ-C-201 3/7/2012	IA-12-SJ-D 3/7/2012	IA-12-SJ-D 10/24/2013	IA-12-SJ-D 1/17/2014	IA-12-SJ-D 4/2/2014	IA-12-SJ-D 2/18/2015
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d												
Volatile Organic Compounds																
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U	0.026 U	0.13 U	0.026 U	0.026 U	0.026 U	0.026 U			
Benzene	20	2	200	20	0.21	0.30	0.18 J	0.21	0.32 J	0.25	0.25	0.25	0.28			
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.038 U	0.049 J	0.074 J	0.19 U	0.038 U	0.038 U	0.038 U	0.038 U			
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	0.093 J	0.30 U	0.060 U	0.060 U	0.060 U	0.060 U			
Ethylbenzene	2500	250	25000	2500	0.77	5.2	0.094 J	0.17 J	1.1	0.70	4.7	4.7	9.3			
m&p-Xylenes	2000	200	20000	2000	2.5	12	0.29	0.51	3.3	2.3	11	11	24 J			
Naphthalene	29	2.9	-	-	0.11 J	0.097 J	0.090 UJ	0.090 UJ	0.45 U	0.090 UJ	0.13 J	0.13 J	0.090 U			
o-Xylene	2000	200	20000	2000	0.69	2.0	0.12 J	0.23	1.0	0.64	1.8	1.8	5.4			
Tetrachloroethylene	250	25	2500	250	0.36	0.39	0.41	0.67	0.37 J	0.36	0.35	0.35	0.24			
Trichloroethylene	20	2	200	20	0.25	0.15 J	1.6	3.1 ^c	0.63 J	0.27	0.14 J	0.14 J	0.18 J			
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.071 U	0.36 U	0.071 U	0.071 U	0.071 U	0.071 U			

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 5

Summary Of Building 12 - S+J Precision VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:																
Sample Date:																
Parameters	ODH Non-Residential Screening Levels				ODH Non-Residential Action Levels				IA-12-SJ-D 7/13/2015	OA-12 10/24/2013	OA-12 1/17/2014	OA-12-SJ 3/7/2012	OA-12-SJ 4/2/2014	OA-12-SJ 2/18/2015	OA-12-SJ 7/13/2015	SS-12-SJ-A 1/6/2012
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d												
Volatile Organic Compounds																
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U	0.026 U	0.026 UJ	0.026 U	0.026 U	0.026 U	0.026 U	3.5 U		
Benzene	20	2	200	20	0.22	0.12 J	0.23	0.056 U	0.33	0.29 J	0.14 J	1.8 U				
Chloroform (Trichloromethane)	800	80	8000	800	0.065 J	0.038 U	0.038 U	0.038 U	0.11 J	0.038 UJ	0.038 U	8.8 J				
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	0.060 U	0.060 UU	0.060 U	0.060 U	26				
Ethylbenzene	2500	250	25000	2500	2.9	0.20	0.068 U	0.068 U	0.17 J	0.098 J	0.068 U	2.2 U				
m&p-Xylenes	2000	200	20000	2000	8.1	0.74	0.12 U	0.12 U	0.54	0.27 J	0.18 J	4.8 U				
Naphthalene	29	2.9	-	-	0.39 J	0.090 U	0.090 U	0.090 UU	0.090 U	0.090 UU	0.090 U	0.090 U	8.6 U			
o-Xylene	2000	200	20000	2000	3.0	0.23	0.061 U	0.061 U	0.21	0.080 J	0.067 J	2.2 U				
Tetrachloroethylene	250	25	2500	250	0.45	0.040 U	0.040 U	0.040 U	0.040 U	0.040 UU	0.040 U	0.058 J	5.8 J			
Trichloroethylene	20	2	200	20	0.64	0.041 J	0.054 U	0.036 U	0.036 U	0.036 UU	0.036 U	0.44	1300 ^{ab}			
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.071 U	0.071 UU	0.071 U	0.071 U	0.071 U	2.9 U			

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 5

Summary Of Building 12 - S+J Precision VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:									SS-12-SJ-A 1/6/2012	SS-12-SJ-A 3/7/2012	SS-12-SJ-A 3/7/2012	SS-12-SJ-B 1/6/2012	SS-12-SJ-B 3/7/2012	SS-12-SJ-B 10/24/2013	SS-12-SJ-B 10/24/2013	SS-12-SJ-B 1/17/2014
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels					Duplicate			Duplicate				Duplicate	
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d												
Volatile Organic Compounds																
1,1-Dichloroethane	160	16	1600	160	R	1.8 U	1.8 U	9.0 U	5.8 U	8.7 U	8.2 U	6.2 U				
Benzene	20	2	200	20	R	3.9 U	4.0 U	4.6 U	12 U	19 U	18 U	13 U				
Chloroform (Trichloromethane)	800	80	8000	800	R	9.5 J	9.7 J	25 J	32 J	37 J	38 J	38 J				
cis-1,2-Dichloroethene	370	37	3700	370	R	23	24	570 ^a	530 ^a	470 ^a	480 ^a	390 J ^a				
Ethylbenzene	2500	250	25000	2500	R	4.8 U	4.8 U	5.6 U	15 U	23 U	21 U	16 U				
m&p-Xylenes	2000	200	20000	2000	R	8.4 U	8.5 U	12 U	27 U	40 U	38 U	29 U				
Naphthalene	29	2.9	-	-	R	6.3 U	6.4 U	22 UJ	20 UJ	30 U	28 U	22 U				
o-Xylene	2000	200	20000	2000	R	4.3 U	4.3 U	5.6 U	14 U	21 U	19 U	15 U				
Tetrachloroethylene	250	25	2500	250	R	6.9 J	7.0 J	9.2 J	10 J	13 U	14 J	14 J				
Trichloroethylene	20	2	200	20	R	1400 ^{ab}	1400 ^{ab}	5600 ^{ab}	5600 ^{ab}	6700 ^{ab}	7000 ^{ab}	6400 ^{ab}				
Vinyl chloride	20	2	200	20	R	5.0 U	5.0 U	7.4 U	16 U	24 U	22 U	17 U				

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 5

Summary Of Building 12 - S+J Precision VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:												
Sample Date:												
Parameters	ODH Non-Residential Screening Levels				ODH Non-Residential Action Levels							
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	SS-12-SJ-B 1/17/2014 Duplicate	SS-12-SJ-B 4/2/2014 Duplicate	SS-12-SJ-B 4/2/2014 Duplicate	SS-12-SJ-B 2/18/2015 Duplicate	SS-12-SJ-B 2/18/2015 Duplicate	SS-12-SJ-B 7/13/2015 Duplicate	SS-12-SJ-C 1/6/2012 Duplicate	SS-12-SJ-C 3/7/2012 Duplicate
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	1.1 U	3.0 U	14 U	0.27 U	0.026 U	17 U	0.35 U	0.26 U
Benzene	20	2	200	20	2.4 U	6.5 U	29 U	0.52	0.43	38 U	0.18 U	0.56 U
Chloroform (Trichloromethane)	800	80	8000	800	19 J	10 J	36 J	19	14	46 J	0.79 J	0.70 J
cis-1,2-Dichloroethene	370	37	3700	370	210 J	120 J	410 J ^a	152	110	330	0.65 J	0.60 U
Ethylbenzene	2500	250	25000	2500	2.9 U	7.8 U	36 U	4.1	4.0	46 U	0.22 U	0.68 U
m&p-Xylenes	2000	200	20000	2000	5.1 U	14 U	63 U	11.7	11 J	81 U	0.48 U	1.2 U
Naphthalene	29	2.9	-	-	3.8 U	10 U	47 U	0.69 U	0.090 U	60 U	0.86 U	0.90 UJ
o-Xylene	2000	200	20000	2000	2.6 U	7.0 U	32 U	2.7	2.5	41 U	0.22 U	0.61 U
Tetrachloroethylene	250	25	2500	250	7.3 J	4.6 U	21 U	9.8	8.1	27 U	28	23
Trichloroethylene	20	2	200	20	5300 ^{ab}	1600 J ^{ab}	6100 J ^{ab}	3300 ^{ab}	2000 ^{ab}	7700 ^{ab}	230 ^{ab}	180 ^a
Vinyl chloride	20	2	200	20	3.0 U	8.2 U	37 U	0.14 U	0.071 U	48 U	0.29 U	0.71 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 5

Summary Of Building 12 - S+J Precision VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:													
Sample Date:													
Parameters	ODH Non-Residential Screening Levels				ODH Non-Residential Action Levels								Duplicate
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	SS-12-SJ-C 10/24/2013	SS-12-SJ-C 1/17/2014	SS-12-SJ-C 4/2/2014	SS-12-SJ-D 1/6/2012	SS-12-SJ-D 3/7/2012	SS-12-SJ-D 10/24/2013	SS-12-SJ-D 7/12/2015	SS-12-SJ-D 7/12/2015	
Volatile Organic Compounds													
1,1-Dichloroethane	160	16	1600	160	0.052 U	0.052 U	0.026 U	1.1 U	2.0 U	-	0.13 U	0.26 U	
Benzene	20	2	200	20	0.12 J	0.15 J	0.14 J	0.54 U	4.2 U	-	0.28 U	0.56 U	
Chloroform (Trichloromethane)	800	80	8000	800	0.16 J	0.076 U	0.071 J	24	23	-	0.69 J	0.63 J	
cis-1,2-Dichloroethene	370	37	3700	370	0.18 J	0.12 U	0.060 U	240	200	-	24	21	
Ethylbenzene	2500	250	25000	2500	0.14 U	0.23 J	0.068 U	0.66 U	5.2 U	-	0.34 U	0.68 U	
m&p-Xylenes	2000	200	20000	2000	0.43	0.79	0.12 U	1.4 U	9.1 U	-	0.60 U	1.2 U	
Naphthalene	29	2.9	-	-	0.18 U	0.18 U	0.090 U	2.6 U	6.8 U	-	0.45 U	0.90 U	
o-Xylene	2000	200	20000	2000	0.14 J	0.27 J	0.061 U	0.66 U	4.6 U	-	0.31 U	0.61 U	
Tetrachloroethylene	250	25	2500	250	4.5	3.0	1.5	3.5 J	3.2 J	-	0.68 J	0.69 J	
Trichloroethylene	20	2	200	20	31 ^a	17	9.5	1200 ^{ab}	940 ^{ab}	1500 ^{ab}	110 ^a	110 ^a	
Vinyl chloride	20	2	200	20	0.14 U	0.14 U	0.071 U	0.87 U	5.4 U	-	0.36 U	0.71 U	

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

R - Rejected.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 6

Page 1 of 1

**Summary of Historic Vacuum Readings
Overstreet Painting & S&J Precision
2015 & 2019 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Historic Sub-Slab Vacuum Readings^{1,2}

Sub-Slab Location	1/7/2014	3/6/2014	2/18/2015	7/6/2015	Historic Average Vacuum Readings
SS-12-OP-A	-0.0428	-0.0243	-0.0217	-0.0588	-0.0369
SS-12-OP-B	-0.1104	-0.0757	-0.0857	-0.0136	-0.0714
SS-12-OP-C	-0.01872	-0.01253	-0.01272	-0.01502	-0.0147
SS-12-SJ-A	-0.01072	-0.01072	-0.0329	-0.0462	-0.0251
SS-12-SJ-B	-0.00731	-0.0437	-0.0667	-0.0665	-0.0461
SS-12-SJ-C	-0.0287	-0.0331	-0.0355	-0.0614	-0.0397
SS-12-SJ-D	-0.0535	-0.0575	-0.0601	-0.0705	-0.0604
SS-12-SJ-E	-0.0047	-0.00681	-0.00638	-0.0335	-0.0128
Extraction Point					
EP-1	-3.5	-2	-3	-3.75	-3.1
EP-2	-0.75	-1	-0.75	-1	-0.9
EP-3	-1.75	-1.75	-1.75	-1.75	-1.8

Notes :

-- Denotes no exceedances at sample location

nm - Denotes not monitored

N/A - Denotes the value is not applicable or can't be calculated

¹ - All vacuum readings are in units of inches of water column (in WC.)

² - All presented vacuum readings are after last system upgrade on 12/20/2013

Table 7

Summary Of Building 14 - Bullseye Amusements VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:												
Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		IA-14-A 3/27/2012	IA-14-A 8/2/2012	IA-14-A 1/16/2014	IA-14-A 6/3/2014	IA-14-B 3/27/2012	IA-14-B 8/2/2012	IA-14-B 1/16/2014	IA-14-B 6/3/2014
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.046 J	0.026 U	0.026 U	0.035 J	0.055 J	0.026 U	0.026 U
Benzene	20	2	200	20	0.58	2.4 ^c	3.2 ^c	0.54	0.67	2.1 ^c	2.1 ^c	0.43
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.15 J	0.038 U	0.038 U	0.038 U	0.18 J	0.038 U	0.073 J
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U
Ethylbenzene	2500	250	25000	2500	0.21	1.2	1.8	0.59	0.32	0.95	1.6	0.64
m&p-Xylenes	2000	200	20000	2000	0.58	4.4	6.2	2.2	1.3	3.6	5.4	2.3
Naphthalene	29	2.9	-	-	0.090 U	0.37 J	0.090 UJ	0.26 J	0.20 J	0.34 J	0.13 J	0.090 U
o-Xylene	2000	200	20000	2000	0.19 J	1.7	2.2	0.94	0.48	1.4	1.9	0.98
Tetrachloroethene	250	25	2500	250	0.040 U	0.054 J	0.28	0.040 U	0.040 U	0.080 U	0.058 U	0.047 U
Trichloroethene	20	2	200	20	0.047 J	0.043 J	0.036 U	0.036 U	0.036 U	0.072 U	0.036 U	0.036 U
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 7

Summary Of Building 14 - Bullseye Amusements VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-14-C 3/27/2012	IA-14-C 8/2/2012	IA-14-C 1/16/2014	IA-14-C 6/3/2014	IA-14-C 2/19/2015	IA-14-C 7/16/2015	IA-14-C 7/16/2015 Duplicate	OA-14-2012 1/6/2012
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		IA-14-C 3/27/2012	IA-14-C 8/2/2012	IA-14-C 1/16/2014	IA-14-C 6/3/2014	IA-14-C 2/19/2015	IA-14-C 7/16/2015	IA-14-C 7/16/2015 Duplicate	OA-14-2012 1/6/2012
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.052 U	0.026 U	0.026 U	0.27 U	0.026 U	0.026 U	0.035 U
Benzene	20	2	200	20	0.60	2.0	1.8	0.43	1	1.5	1.7	0.24
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.15 J	0.038 J	0.070 J	0.14 U	0.13 J	0.14 J	0.049 J
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.12 U	0.060 U	0.060 U	0.69 U	0.060 U	0.060 U	0.014 U
Ethylbenzene	2500	250	25000	2500	0.33	0.81	0.88	0.81	0.27 U	1.4	1.5	0.058 J
m&p-Xylenes	2000	200	20000	2000	1.3	3.1	2.9	3.0	0.59	5.7	6.2	0.15 J
Naphthalene	29	2.9	-	-	0.17 J	0.18 U	0.090 U	0.26 J	0.69 U	0.26 J	0.32 J	0.086 U
o-Xylene	2000	200	20000	2000	0.47	1.2	1.0	1.3	0.27 U	1.9	2.1	0.051 J
Tetrachloroethene	250	25	2500	250	0.040 U	0.080 U	0.047 U	0.057 U	0.14 U	0.040 U	0.040 U	0.023 J
Trichloroethene	20	2	200	20	0.036 J	0.079 J	0.036 U	0.036 U	0.14 U	0.036 U	0.036 U	0.030 U
Vinyl chloride	20	2	200	20	0.071 U	0.14 U	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U	0.029 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

JJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 7

Summary Of Building 14 - Bullseye Amusements VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:												
Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		OA-14-2012 3/27/2012	OA-14-2012 8/2/2012	OA-14-2012 1/16/2014	OA-14-2014 6/3/2014	OA-14-2014 2/19/2015	OA-14-2014 7/16/2015	SS-14-A 1/6/2012	SS-14-A 1/6/2012 Duplicate
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U	0.026 U	0.026 UJ	0.026 U	500 ^a	320 ^a
Benzene	20	2	200	20	0.15 J	0.22	0.17 J	0.073 J	0.23 J	0.46	1.9 J	1.8 J
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.038 U	0.038 U	0.038 U	0.038 UJ	0.038 U	0.62 U	0.74 U
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	0.060 U	0.060 UJ	0.060 U	2.6 J	1.5 J
Ethylbenzene	2500	250	25000	2500	0.068 U	0.075 J	0.068 U	0.068 U	0.068 UJ	0.080 J	0.44 U	0.52 U
m&p-Xylenes	2000	200	20000	2000	0.12 U	0.19 J	0.17 J	0.22	0.12 UJ	0.33	0.96 U	1.1 U
Naphthalene	29	2.9	-	-	0.090 U	0.090 UJ	0.090 U	0.090 U	0.090 UJ	0.090 U	1.7 U	2.0 U
o-Xylene	2000	200	20000	2000	0.061 U	0.062 J	0.061 U	0.065 J	0.061 UJ	0.10 J	0.44 U	0.52 U
Tetrachloroethene	250	25	2500	250	0.040 U	0.040 U	0.049 U	0.040 U	0.040 UJ	0.040 U	0.22 U	0.26 U
Trichloroethene	20	2	200	20	0.036 U	0.036 U	0.12 U	0.036 U	0.036 UJ	0.036 U	2.1 J	1.5 J
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.071 U	0.071 UJ	0.071 U	84 ^a	70 ^a

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

JJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 7

Summary Of Building 14 - Bullseye Amusements VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					SS-14-A 3/28/2012	SS-14-A 8/2/2012	SS-14-A 1/16/2014	SS-14-A 1/16/2014 Duplicate	SS-14-A 6/3/2014	SS-14-A 6/3/2014 Duplicate	SS-14-A 2/19/2015	SS-14-A 2/19/2015				
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	SS-14-A 3/28/2012	SS-14-A 8/2/2012	SS-14-A 1/16/2014	SS-14-A 1/16/2014 Duplicate	SS-14-A 6/3/2014	SS-14-A 6/3/2014 Duplicate	SS-14-A 2/19/2015	SS-14-A 2/19/2015
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air												
Volatile Organic Compounds																
1,1-Dichloroethane	160	16	1600	160	970 ^a		4100 ^{ab}	270 J ^a	160 J	720 ^a	650 ^a	173 ^a		85		
Benzene	20	2	200	20	6.0 J		50 ^a	0.44	0.42	2.3 U	0.95	2.7 U		0.10 J		
Chloroform (Trichloromethane)	800	80	8000	800	1.3 U		7.7 U	5.4	5.5	140	140	3		4.2		
cis-1,2-Dichloroethene	370	37	3700	370	6.9		110	3.2	3.2	21	20	13.4 U		3.2		
Ethylbenzene	2500	250	25000	2500	2.4 U		14 U	0.14 J	0.14 U	2.8 U	0.41 J	5.3 U		0.33		
m&p-Xylenes	2000	200	20000	2000	4.2 U		24 U	0.48	0.24 U	5.0 U	1.7	10.7 U		0.71		
Naphthalene	29	2.9	-	-	3.1 U		18 UJ	0.18 U	0.18 U	3.7 U	0.82 J	13.4 U		0.13 J		
o-Xylene	2000	200	20000	2000	2.2 J		12 U	0.20 J	0.12 U	2.5 U	0.66	5.3 U		2.1		
Tetrachloroethene	250	25	2500	250	1.4 U		8.1 U	0.11 J	3.8 J	1.7 U	0.87	2.7 U		0.22		
Trichloroethene	20	2	200	20	6.4 J		36 J ^a	4.0	3.6	27 ^a	30 ^a	4.6		6.4		
Vinyl chloride	20	2	200	20	820 J ^{ab}		5500 ^{ab}	4.9	4.5	17	14	2.7 U		0.28		

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 7

Summary Of Building 14 - Bullseye Amusements VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:					SS-14-A 7/16/2015	SS-14-B 1/6/2012	SS-14-B 3/27/2012	SS-14-B 8/2/2012	SS-14-C 1/6/2012	SS-14-C 3/27/2012	SS-14-C 8/2/2012	SS-14-C 1/16/2014
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels									
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	54	77	130	0.14 U	0.071 J	0.026 U	0.052 U
Benzene	20	2	200	20	1.4	0.14 U	0.077 J	0.11 U	0.072 U	0.056 U	0.056 U	1.3
Chloroform (Trichloromethane)	800	80	8000	800	0.20	0.93 J	1.1	3.0	0.12 U	0.043 J	0.097 J	0.076 U
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.43 J	0.97	2.2	0.056 U	0.060 U	0.060 U	0.12 U
Ethylbenzene	2500	250	25000	2500	0.91	1.2 J	0.068 U	0.14 U	0.088 U	0.068 U	0.068 U	0.38 J
m&p-Xylenes	2000	200	20000	2000	3.5	7.1	0.20	0.32 J	0.19 U	0.12 U	0.12 U	1.4
Naphthalene	29	2.9	-	-	0.16 J	0.69 UJ	0.090 U	0.18 U	0.34 U	0.090 U	0.090 UJ	0.43 J
o-Xylene	2000	200	20000	2000	1.2	3.9	0.084 J	0.15 J	0.088 U	0.061 U	0.061 U	0.69
Tetrachloroethene	250	25	2500	250	0.084 J	0.088 U	0.41	1.0	0.11 J	0.43	0.28	0.080 U
Trichloroethene	20	2	200	20	0.91	3.5	4.7	16	2.5	27 ^a	1.2	0.077 U
Vinyl chloride	20	2	200	20	0.071 U	0.23 U	0.071 U	0.14 U	0.12 U	0.071 U	0.071 U	0.14 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 7

Summary Of Building 14 - Bullseye Amusements VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-14-C 6/3/2014	
	Sub-Slab Soil Gas		Indoor Air			
	a	c	b	d		
Volatile Organic Compounds						
1,1-Dichloroethane	160	16	1600	160	0.074 U	
Benzene	20	2	200	20	0.57	
Chloroform (Trichloromethane)	800	80	8000	800	0.11 U	
cis-1,2-Dichloroethene	370	37	3700	370	0.17 U	
Ethylbenzene	2500	250	25000	2500	0.71	
m&p-Xylenes	2000	200	20000	2000	2.6	
Naphthalene	29	2.9	-	-	0.27 J	
o-Xylene	2000	200	20000	2000	1.1	
Tetrachloroethene	250	25	2500	250	0.11 U	
Trichloroethene	20	2	200	20	0.10 U	
Vinyl chloride	20	2	200	20	0.20 U	

Notes:

- All units are in parts per billion by volume (ppbv)
J - Estimated concentration.
U - Not detected at the associated reporting limit.
UU - Not detected; associated reporting limit is estimated.
-- Not applicable.

Table 8

Page 1 of 1

**Summary of Historic Vacuum Readings
Bullseye Amusements
2003 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Historic Sub-Slab Vacuum Readings^{1,2}

Sub-Slab Location	1/7/2015	1/24/2015	6/3/2015	2/19/2015	7/14/2015	Historic Average Vacuum Readings
SS-14-A	-0.00723	-0.006	-0.01023	-0.00387	-0.49	-0.1035
SS-14-B	-0.0279	-0.0237	nm	-0.01685	-0.0456	-0.0285
SS-14-C	-0.53	-0.575	nm	-0.561	-0.01274	-0.4197
SS-14-D	Damaged	Damaged	Damaged	Damaged	Damaged	Damaged
SS-14-E	-0.00376	0.0041	nm	-0.00258	-0.00136	-0.0009
Extraction Point						
EP-1	-1.25	-1.5	nm	-1.25	-1.25	-1.3
EP-2	-2.75	-2.75	nm	-2.75	-2.5	-2.7

Notes :

-- Denotes no exceedances at sample location

nm - Denotes not monitored

N/A - Denotes the value is not applicable or can't be calculated

¹ - All vacuum readings are in units of inches of water column (in WC.)

² - All presented vacuum readings are after last system upgrade on 12/20/2013

-0.0009

- Denotes vacuum not meeting requirement of -0.004 in WC.

Table 9

Summary Of Building 15 - Sim Trainer VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-15-A 3/13/2012	IA-15-A 2/11/2014	IA-15-A 4/24/2014	IA-15-A 2/18/2015	IA-15-A 7/14/2015	IA-15-B 3/13/2012	IA-15-C 3/13/2012	IA-15-C 2/13/2014
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		IA-15-A 3/13/2012	IA-15-A 2/11/2014	IA-15-A 4/24/2014	IA-15-A 2/18/2015	IA-15-A 7/14/2015	IA-15-B 3/13/2012	IA-15-C 3/13/2012	IA-15-C 2/13/2014
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.10 U	0.026 U					
Benzene	20	2	200	20	0.46	0.29	0.23	0.23	0.16 J	0.51	0.51 J	0.63
Chloroform (Trichloromethane)	800	80	8000	800	0.077 J	0.038 U	0.050 J	0.038 U	0.079 J	0.038 U	0.15 U	0.038 U
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.24 U	0.060 U					
Ethylbenzene	2500	250	25000	2500	0.15 J	0.13 J	0.15 J	0.068 U	0.11 J	0.12 J	0.43 J	0.39
m&p-Xylenes	2000	200	20000	2000	0.52	0.44	0.40	0.12 U	0.36	0.43	1.6	1.5
Naphthalene	29	2.9	-	-	0.25 J	0.090 U	0.090 U	0.090 U	0.13 J	0.090 U	0.36 U	0.090 U
o-Xylene	2000	200	20000	2000	0.21	0.17 J	0.20	0.061 U	0.15 J	0.17 J	0.62 J	0.46
Tetrachloroethylene	250	25	2500	250	0.84	2.3	2.8	1.3	1.6	1.4	120 ^f	3.9
Trichloroethylene	20	2	200	20	5.2 ^c	2.0	3.0 ^c	1.4	1.7	0.13 J	1.6	0.59
Vinyl chloride	20	2	200	20	0.071 U	0.28 U	0.071 U					
Gases												
Methane	0.5	0.05	5	0.5	-	-	-	-	0.20 U	-	-	-
Radiology												
Radon-222	-	-	-	-	-	-	-	-	-	0.13 +/-0.05	-	-
Notes:												
All units are in parts per billion by volume (ppbv)												
J - Estimated concentration.												
R - Rejected.												
U - Not detected at the associated reporting limit.												
UJ - Not detected; associated reporting limit is estimated.												
-- Not applicable.												

Table 9

Summary Of Building 15 - Sim Trainer VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-15-C 2/18/2015	IA-15-C 2/18/2015	IA-15-C 7/14/2015	IA-15-F 2/11/2014	IA-15-F 4/24/2014	IA-15-H 4/24/2014	OA-15 3/13/2012	OA-15 2/11/2014		
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	IA-15-C 2/18/2015	IA-15-C 7/14/2015	IA-15-F 2/11/2014	IA-15-H 4/24/2014	OA-15 3/13/2012	OA-15 2/11/2014
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air										
Volatile Organic Compounds														
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.24 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	
Benzene	20	2	200	20	0.22	0.28	0.68	0.25	0.20	1.2	0.068 J	0.18 J		
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.12 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.62 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	
Ethylbenzene	2500	250	25000	2500	0.17 J	0.25 U	1.2	0.068 U	0.076 J	1.4	0.068 U	0.068 U		
m&p-Xylenes	2000	200	20000	2000	0.62	0.72	5.4	0.22	0.27	5.3	0.12 U	0.19 J		
Naphthalene	29	2.9	-	-	0.090 U	0.64 U	0.41 J	0.090 U	0.090 U					
o-Xylene	2000	200	20000	2000	0.20	0.27	2.1	0.074 J	0.10 J	1.8	0.061 U	0.062 J		
Tetrachloroethylene	250	25	2500	250	0.59	0.94	6.3	0.45	0.053 J	2.9	0.040 U	0.040 U		
Trichloroethylene	20	2	200	20	0.20	0.37	1.2	0.076 J	0.036 U	0.75	0.036 U	0.036 U		
Vinyl chloride	20	2	200	20	0.071 U	0.13 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U		
Gases														
Methane	0.5	0.05	5	0.5	-	-	0.22 U	-	-	-	-	-	-	
Radiology														
Radon-222	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notes:														
All units are in parts per billion by volume (ppbv)														
J - Estimated concentration.														
R - Rejected.														
U - Not detected at the associated reporting limit.														
UJ - Not detected; associated reporting limit is estimated.														
-- Not applicable.														

Table 9

Summary Of Building 15 - Sim Trainer VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:													
Sample Date:													
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		OA-15 4/24/2014	OA-15 2/18/2015	OA-15 7/14/2015	SS-15-A 1/12/2012	SS-15-A 3/13/2012	SS-15-A 2/11/2014	SS-15-A 4/24/2014	SS-15-A 2/18/2015	
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d									
Volatile Organic Compounds													
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U	0.60 U	0.93 U	0.026 U	0.026 U	0.41	
Benzene	20	2	200	20	0.16 J	0.18 J	0.15 J	0.31 U	2.0 U	0.31	0.11 J	0.23	
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.038 U	0.038 U	0.53 U	1.4 U	0.038 U	0.045 J	0.038 U	
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	2.7 J	2.1 U	0.10 J	0.060 U	0.060 U	
Ethylbenzene	2500	250	25000	2500	0.073 J	0.068 U	0.080 J	0.38 U	2.4 U	0.22	0.068 U	0.47	
m&p-Xylenes	2000	200	20000	2000	0.23	0.12 U	0.26	0.82 U	4.3 U	0.51	0.12 U	2.2	
Naphthalene	29	2.9	-	-	0.090 U	0.090 U	0.090 UJ	1.5 U	3.2 U	0.090 U	0.090 U	0.55	
o-Xylene	2000	200	20000	2000	0.088 J	0.061 U	0.086 J	0.38 U	2.2 U	0.44	0.061 U	0.79	
Tetrachloroethylene	250	25	2500	250	0.040 U	0.040 U	0.040 U	7.6	7.1	1.5	1.2	0.83	
Trichloroethylene	20	2	200	20	0.036 U	0.096 J	0.036 U	400 ^{ab}		390 ^{ab}	2.0	3.1	1.4
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.50 U	2.5 U	0.071 U	0.071 U	0.071 U	
Gases													
Methane	0.5	0.05	5	0.5	-	-	0.21 U	-	-	-	-	-	-
Radiology													
Radon-222	-	-	-	-	-	-	-	-	-	-	-	-	-
Notes:													
All units are in parts per billion by volume (ppbv)													
J - Estimated concentration.													
R - Rejected.													
U - Not detected at the associated reporting limit.													
UJ - Not detected; associated reporting limit is estimated.													
-- Not applicable.													

Table 9

Summary Of Building 15 - Sim Trainer VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					SS-15-A 7/14/2015	SS-15-A 7/14/2015 Duplicate	SS-15-B 1/12/2012	SS-15-B 3/13/2012	SS-15-C 1/12/2012	SS-15-C 1/12/2012 Duplicate	SS-15-C 3/13/2012	SS-15-C 3/13/2012	SS-15-C 2/13/2014
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-15-A 7/14/2015	SS-15-A 7/14/2015 Duplicate	SS-15-B 1/12/2012	SS-15-B 3/13/2012	SS-15-C 1/12/2012	SS-15-C 1/12/2012 Duplicate	SS-15-C 3/13/2012	SS-15-C 3/13/2012	SS-15-C 2/13/2014
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d									
Volatile Organic Compounds													
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	1.1 U	1.2 U	R	8.8 U	14 U	2.8 U	
Benzene	20	2	200	20	0.12 J	0.12 J	0.55 U	2.6 U	R	230 ^{ab}	320 ^{ab}	36 ^a	
Chloroform (Trichloromethane)	800	80	8000	800	0.065 J	0.060 J	8.5	12	R	7.8 U	20 U	4.1 U	
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	86	130	R	7400 ^{ab}	10000 ^{ab}	1700 ^a	
Ethylbenzene	2500	250	25000	2500	0.068 U	0.068 U	0.67 U	3.2 U	R	320	540	70	
m&p-Xylenes	2000	200	20000	2000	0.19 J	0.18 J	1.5 U	5.6 U	R	820	1300	130	
Naphthalene	29	2.9	-	-	0.097 J	0.090 UJ	2.6 U	4.2 U	R	22 U	47 U	9.7 U	
o-Xylene	2000	200	20000	2000	0.070 J	0.061 U	0.67 U	2.9 U	R	710	1100	170	
Tetrachloroethylene	250	25	2500	250	2.4	2.4	1.3 J	2.5 J	R	2.8 U	21 U	4.3 U	
Trichloroethylene	20	2	200	20	2.0	2.0	690 ^{ab}	680 ^{ab}	R	95 ^a	120 ^a	25 ^a	
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.88 U	3.3 U	R	1100 ^{ab}	1700 ^{ab}	350 ^{ab}	
Gases													
Methane	0.5	0.05	5	0.5	0.22 U	0.21 U	-	-	-	-	-	-	-
Radiology													
Radon-222	-	-	-	-	3.5 +/-0.3	-	-	-	-	-	-	-	-
Notes:													
All units are in parts per billion by volume (ppbv)													
J - Estimated concentration.													
R - Rejected.													
U - Not detected at the associated reporting limit.													
UJ - Not detected; associated reporting limit is estimated.													
-- Not applicable.													

Table 9

Summary Of Building 15 - Sim Trainer VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					SS-15-C 4/24/2014	SS-15-C 4/24/2014 Duplicate	SS-15-C 2/18/2015	SS-15-C 2/18/2015	SS-15-C 7/14/2015
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-15-C 4/24/2014	SS-15-C 4/24/2014 Duplicate	SS-15-C 2/18/2015	SS-15-C 2/18/2015	SS-15-C 7/14/2015
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d					
Volatile Organic Compounds									
1,1-Dichloroethane	160	16	1600	160	3.0 U	3.1 U	0.27 U	0.10 U	0.28 U
Benzene	20	2	200	20	60 ^a	62 ^a	8.4	5.9 J	2.5
Chloroform (Trichloromethane)	800	80	8000	800	4.4 U	4.6 U	0.13 U	0.15 U	0.71 J
cis-1,2-Dichloroethene	370	37	3700	370	2200 ^a	2300 ^a	125	130 J	780 ^a
Ethylbenzene	2500	250	25000	2500	180	180	8.5	5.8 J	0.78 J
m&p-Xylenes	2000	200	20000	2000	410	410	6	4.0 J	1.3 U
Naphthalene	29	2.9	-	-	10 U	11 U	0.68 U	0.36 U	0.95 UJ
o-Xylene	2000	200	20000	2000	400	400	34	33 J	3.1
Tetrachloroethene	250	25	2500	250	4.6 U	4.8 U	3.2	2.5 J	28
Trichloroethene	20	2	200	20	61 ^a	63 ^a	16.4	12 J	87 ^a
Vinyl chloride	20	2	200	20	99 ^a	97 ^a	0.13 U	6.6 J	26 ^a
Gases									
Methane	0.5	0.05	5	0.5	-	-	-	-	0.21 U
Radiology									
Radon-222	-	-	-	-	-	-	-	-	-
Notes:									
All units are in parts per billion by volume (ppbv)									
J - Estimated concentration.									
R - Rejected.									
U - Not detected at the associated reporting limit.									
UJ - Not detected; associated reporting limit is estimated.									
- - Not applicable.									

Table 10

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Summary of Historic Vacuum Readings
SIM Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Historic Sub-Slab Vacuum Readings^{1,2}

Sub-Slab Location	3/27/2014	4/24/2014	6/3/2014	2/18/2015	7/13/2015	Historic Average Vacuum Readings
SS-15-A	-0.1881	-0.181	-0.1823	-0.0385	-0.1882	-0.1556
SS-15-B	-0.01899	-0.00877		-0.01068	-0.025	-0.0159
SS-15-C	-0.0122	-0.0338	-0.0398	-0.0234	-0.0422	-0.0303
SS-15-D	-0.0071	-0.00928	damaged	damaged	damaged	-0.0082
SS-15-E	-0.351	-0.345	-0.347	nm	-0.358	-0.3503
SS-15-F	-0.01941	-0.01876	-0.0253	-0.0205	nm	-0.0210
SS-15-G	-0.0955	-0.0958	-0.0871	-0.0953	-0.0929	-0.0933
SS-15-H	-0.00309	-0.00426	-0.00417	0.00011	-0.0031	-0.0029
Extraction Point						
EP-1	-4.5	nm	-4.5	nm	-4	-4.3
EP-2	-4	nm	-4.25	nm	-5	-4.4
EP-3	-4	nm	-4	nm	-4	-4.0

Notes :

-- Denotes no exceedances at sample location

nm - Denotes not monitored

N/A - Denotes the value is not applicable or can't be calculated

¹ - All vacuum readings are in units of inches of water column (in WC.)

² - All presented vacuum readings are after last system upgrade on 3/26/2014

-0.0029

- Denotes vacuum not meeting requirement of -0.004 in WC.

Table 10

Page 2 of 2

Summary of Historic Vacuum Readings
SIM Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Table 11

Summary Of Building 24 - Globe Equipment VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-24-A 3/10/2012	IA-24-A 8/11/2012	IA-24-A 9/11/2013	IA-24-A 2/7/2014	IA-24-A-2014 12/5/2014	IA-24-B 9/11/2013	IA-24-B 2/7/2014	IA-24-B 12/5/2014
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d				
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.052 U	0.026 U	0.026 U	0.026 U	0.026 U	0.052 U
Benzene	20	2	200	20	0.23	0.22	0.45	0.29	0.37	0.056 U	0.28	0.67
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.038 U	0.076 U	0.038 U	0.038 U	0.038 U	0.038 U	0.076 U
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U	0.060 U	0.060 U	0.12 U
Ethylbenzene	2500	250	25000	2500	2.1	3.2	3.7	0.84	1.0	0.068 U	0.60	0.92
m&p-Xylenes	2000	200	20000	2000	8.4	11	14	2.8	3.4	0.12 U	1.9	3.5
Naphthalene	29	2.9	-	-	0.090 UJ	0.096 J	0.21 J	0.090 U	0.090 U	0.090 U	0.090 U	0.18 U
o-Xylene	2000	200	20000	2000	3.9	6.4	6.1	1.4	1.3	0.061 U	0.90	1.4
Tetrachloroethene	250	25	2500	250	0.23	0.22	0.083 J	0.13 J	0.18 J	0.040 U	0.13 J	41 ^c
Trichloroethylene	20	2	200	20	0.057 J	0.053 J	0.072 U	0.048 J	0.036 U	0.036 U	0.059 J	0.072 U
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U	0.071 U	0.071 U	0.14 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 11

Summary Of Building 24 - Globe Equipment VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:			IA-24-B 2/20/2015	IA-24-B 2/20/2015	IA-24-B 2/20/2015 Duplicate	IA-24-B 7/16/2015	IA-24-B 7/16/2015 Duplicate	IA-24-C 3/10/2012	IA-24-C 3/10/2012 Duplicate	IA-24-C 8/11/2012	IA-24-C 8/11/2012	IA-24-C 9/11/2013	IA-24-C 2/7/2014	IA-24-C 2/7/2014
Parameters	ODH Non-Residential Screening Levels													
	Sub-Slab Soil Gas a	Indoor Air c												
Volatile Organic Compounds														
1,1-Dichloroethane	160	16	0.026 U	0.29 U	0.026 U	0.027 U	0.026 U	0.026 U	0.026 U	0.026 U	0.052 U	0.026 U	0.026 U	0.026 U
Benzene	20	2	0.48	0.52	0.46	0.11 J	0.12 J	0.24	0.25	0.37	0.33 J	0.27	0.35	
Chloroform (Trichloromethane)	800	80	0.038 U	0.14 U	0.038 U	0.040 U	0.038 U	0.038 U	0.038 U	0.039 J	0.076 U	0.038 U	0.038 U	
cis-1,2-Dichloroethene	370	37	0.060 U	0.72 U	0.060 U	0.063 U	0.060 U	0.060 U	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U	
Ethylbenzene	2500	250	0.39	0.43	0.37	0.29	0.33	2.2	1.8	2.9	2.9	0.50	0.60	
m&p-Xylenes	2000	200	1.5	1.8	1.5	0.69	0.85	9.6	7.4	7.9	10	1.7	2.1	
Naphthalene	29	2.9	0.090 U	0.71 U	0.090 U	0.094 U	0.090 U	0.090 UJ	0.090 UJ	0.13 J	0.35 J	0.090 U	0.090 U	
o-Xylene	2000	200	0.61	0.72	0.59	0.29	0.35	4.5	3.6	3.7	3.8	0.75	0.81	
Tetrachloroethene	250	25	0.14 J	0.16	0.13 J	0.042 U	0.040 U	0.28	0.30	0.44	0.080 U	0.12 J	0.11 J	
Trichloroethene	20	2	0.061 J	0.14 U	0.062 J	0.038 U	0.036 U	0.071 J	0.070 J	0.12 J	0.072 U	0.064 J	0.036 U	
Vinyl chloride	20	2	0.071 U	0.14 U	0.071 U	0.074 U	0.071 U	0.071 U	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U	

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 11

Summary Of Building 24 - Globe Equipment VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:		IA-24-D 3/10/2012	IA-24-D 8/11/2012	IA-24-D 9/12/2013	IA-24-D 2/7/2014	IA-24-D 12/5/2014	IA-24-E 12/5/2014	IA-24-F 3/10/2012	IA-24-F 8/11/2012	IA-24-F 9/11/2013	IA-24-F 2/7/2014	IA-24-F 12/5/2014
Parameters	ODH Non-Residential Screening Levels											
	Sub-Slab Soil Gas a	Indoor Air c										
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.13 U	0.026 U	0.026 U
Benzene	20	2	0.19 J	0.24	0.42	0.27	0.35	0.36	0.31	0.69	0.51 J	0.24
Chloroform (Trichloromethane)	800	80	0.038 U	0.079 J	0.078 J	0.038 U	0.095 J	0.042 J	0.038 U	0.041 J	0.19 U	0.038 U
cis-1,2-Dichloroethene	370	37	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.30 U	0.060 U	0.060 U
Ethylbenzene	2500	250	0.63	1.4	0.99	0.45	0.50	0.52	1.4	2.4	0.82 J	0.35
m&p-Xylenes	2000	200	2.5	3.7	3.6	1.5	1.6	1.7	5.9	7.3	3.0	1.1
Naphthalene	29	2.9	0.090 UJ	0.090 UJ	0.13 J	0.090 U	0.12 J	0.095 J	0.090 UJ	0.15 J	0.45 U	0.090 U
o-Xylene	2000	200	1.1	1.7	1.8	0.66	0.64	0.68	2.7	3.1	1.2	0.45
Tetrachloroethylene	250	25	0.11 J	0.24	0.049 J	0.092 J	0.095 J	0.11 J	0.17 J	0.23	0.20 U	0.049 J
Trichloroethylene	20	2	0.15 J	0.37	0.11 J	0.085 J	0.14 J	0.036 U	0.15 J	0.065 J	0.18 U	0.036 U
Vinyl chloride	20	2	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.36 U	0.071 U	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 11

Summary Of Building 24 - Globe Equipment VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:	IA-24-QCR 12/5/2014	OA-24 1/7/2012	OA-24 3/10/2012	OA-24 8/11/2012	OA-24 8/11/2012 Duplicate	OA-24 9/11/2013	OA-24 2/7/2014	OA-24 12/5/2014	OA-24 12/5/2014	OA-24-2015 2/20/2015	OA-24-EP6 7/16/2015	SS-24-A 1/7/2012	
Sample Date:													
Parameters	ODH Non-Residential Screening Levels												
	Sub-Slab Soil Gas	Indoor Air	a	c									
Volatile Organic Compounds													
1,1-Dichloroethane	160	16	0.026 U	0.035 U	0.026 U	0.026 U	0.027 U	0.026 U	0.026 U	0.026 UJ	0.026 U	0.18 U	
Benzene	20	2	0.31	0.16 J	0.14 J	0.071 J	0.065 J	0.38	0.25	0.36	0.42 J	0.13 J	0.090 U
Chloroform (Trichloromethane)	800	80	0.17 J	0.031 U	0.038 U	0.038 U	0.039 U	0.038 U	0.038 U	0.038 UJ	0.038 U	0.16 U	
cis-1,2-Dichloroethene	370	37	0.060 U	0.014 U	0.060 U	0.060 U	0.062 U	0.060 U	0.060 U	0.060 UJ	0.060 U	0.57 J	
Ethylbenzene	2500	250	0.55	0.027 J	0.068 U	0.068 U	0.068 U	0.24	0.070 J	0.14 J	0.11 J	0.068 U	0.11 U
m&p-Xylenes	2000	200	1.9	0.059 J	0.12 U	0.12 U	0.20	0.95	0.22	0.43	0.34 J	0.19 J	0.24 U
Naphthalene	29	2.9	0.090 U	0.086 U	0.090 UJ	0.090 UJ	0.10 J	0.10 J	0.090 U	0.090 U	0.095 J	0.090 U	0.43 U
o-Xylene	2000	200	0.75	0.022 U	0.061 U	0.061 U	0.061 U	0.35	0.084 J	0.16 J	0.13 J	0.074 J	0.11 U
Tetrachloroethylene	250	25	0.092 J	0.011 U	0.060 J	0.040 U	0.040 U	0.041 U	0.040 U	0.077 J	0.040 UJ	0.040 U	25
Trichloroethylene	20	2	0.036 U	0.030 U	0.036 U	0.036 U	0.036 U	0.037 U	0.036 U	0.036 U	0.036 UJ	0.036 U	8.2
Vinyl chloride	20	2	0.071 U	0.029 U	0.071 U	0.071 U	0.071 U	0.073 U	0.071 U	0.071 U	0.071 UJ	0.071 U	0.15 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 11

Summary Of Building 24 - Globe Equipment VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:		SS-24-A 3/10/2012	SS-24-A 8/11/2012	SS-24-B 1/7/2012	SS-24-B 3/10/2012	SS-24-B 8/11/2012	SS-24-B 9/11/2013	SS-24-B 9/11/2013 Duplicate	SS-24-B 12/5/2014	SS-24-B 12/5/2014 Duplicate	SS-24-B 2/20/2015	SS-24-B 2/20/2015	
Parameters	ODH Non-Residential Screening Levels												
	Sub-Slab Soil Gas a	Indoor Air c											
Volatile Organic Compounds													
1,1-Dichloroethane	160	16	0.052 U	0.026 U	0.12 U	0.026 U	0.026 U	0.052 U	0.052 U	0.10 U	0.10 U	0.58 U	0.026 U
Benzene	20	2	0.11 U	0.099 J	0.063 U	0.056 U	0.056 U	0.11 U	0.11 U	0.22 U	0.22 U	0.29 U	0.087 J
Chloroform (Trichloromethane)	800	80	0.076 U	0.090 J	0.11 U	0.070 J	0.075 J	0.076 U	0.076 U	0.15 U	0.15 U	0.28 U	0.038 U
cis-1,2-Dichloroethene	370	37	0.53	0.85	0.049 U	0.093 J	0.060 U	0.12 U	0.12 U	0.24 U	0.24 U	1.4 U	0.060 U
Ethylbenzene	2500	250	0.14 U	0.68	0.24 J	0.068 U	0.068 U	0.14 U	0.14 U	0.27 U	0.27 U	0.57 U	0.18 J
m&p-Xylenes	2000	200	0.24 U	2.5	0.41 J	0.12 U	0.18 J	0.24 U	0.24 U	0.48 U	0.48 U	1.2 U	0.83 J
Naphthalene	29	2.9	0.18 UJ	0.090 UJ	0.87 J	0.090 UJ	0.090 UJ	0.18 U	0.18 U	0.36 U	0.36 U	1.4 U	0.32 J
o-Xylene	2000	200	0.12 U	1.4	0.16 J	0.061 U	0.12 J	0.12 U	0.12 U	0.24 U	0.24 U	1.4 U	0.33
Tetrachloroethylene	250	25	30	39	90	73	130	25	29	59	49	78.3	57
Trichloroethylene	20	2	7.7	10	37 ^a	30 ^a	48 ^a	6.5	7.1	22 ^a	21 ^a	33.7 ^a	23 ^a
Vinyl chloride	20	2	0.14 U	0.071 U	0.10 U	0.071 U	0.071 U	0.14 U	0.14 U	0.28 U	0.28 U	0.29 U	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 11

Summary Of Building 24 - Globe Equipment VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:	SS-24-B 7/16/2015	SS-24-C 1/7/2012	SS-24-C 1/7/2012 Duplicate	SS-24-C 3/10/2012	SS-24-C 8/11/2012	SS-24-C 2/7/2014	SS-24-D 1/7/2012	SS-24-D 3/10/2012	SS-24-D 8/11/2012
Parameters	ODH Non-Residential Screening Levels								
	Sub-Slab Soil Gas a	Indoor Air c							
Volatile Organic Compounds									
1,1-Dichloroethane	160	16	0.052 U	0.035 U	0.035 U	0.026 U	0.026 U	0.35 U	0.026 U
Benzene	20	2	0.11 U	0.022 J	0.049 J	0.056 U	0.056 U	0.20	0.18 U
Chloroform (Trichloromethane)	800	80	0.076 U	0.031 U	0.031 U	0.038 U	0.038 U	0.039 J	0.31 U
cis-1,2-Dichloroethene	370	37	0.12 U	0.014 U	0.014 U	0.060 U	0.060 U	0.14 U	0.060 U
Ethylbenzene	2500	250	0.14 U	0.022 U	0.16 J	0.068 U	0.068 U	0.45 J	0.068 U
m&p-Xylenes	2000	200	0.24 U	0.062 J	0.39 J	0.12 U	0.22	0.13 J	1.6 J
Naphthalene	29	2.9	0.18 U	0.086 UJ	0.086 UJ	0.090 UJ	0.090 UJ	0.86 U	0.090 UJ
o-Xylene	2000	200	0.12 U	0.022 U	0.11 J	0.061 U	0.11 J	0.061 U	0.53 J
Tetrachloroethene	250	25	34	15	15	12	13	4.1	4.7
Trichloroethene	20	2	9.8	0.99	1.1	0.87	0.63	1.1	0.30 U
Vinyl chloride	20	2	0.14 U	0.029 U	0.029 U	0.071 U	0.071 U	0.29 U	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 11

Summary Of Building 24 - Globe Equipment VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:		SS-24-E 1/7/2012	SS-24-E 3/10/2012	SS-24-E 8/11/2012	SS-24-F 1/7/2012	SS-24-F 3/10/2012
Parameters	ODH Non-Residential Screening Levels					
	Sub-Slab Soil Gas a	Indoor Air c				
Volatile Organic Compounds						
1,1-Dichloroethane	160	16	0.070 U	0.026 U	0.026 U	0.035 U
Benzene	20	2	0.036 U	0.056 U	0.16 J	0.019 J
Chloroform (Trichloromethane)	800	80	0.062 U	0.038 U	0.038 U	0.031 U
cis-1,2-Dichloroethene	370	37	0.028 U	0.060 U	0.086 J	0.014 U
Ethylbenzene	2500	250	0.044 U	0.068 U	1.4	0.034 J
m&p-Xylenes	2000	200	0.096 U	0.12 U	4.1	0.069 J
Naphthalene	29	2.9	0.17 U	0.090 UJ	0.090 UJ	0.086 U
o-Xylene	2000	200	0.044 U	0.061 U	1.1	0.022 U
Tetrachloroethylene	250	25	5.4	7.3	14	0.73
Trichloroethylene	20	2	0.060 U	0.036 U	1.2	0.11 J
Vinyl chloride	20	2	0.058 U	0.071 U	0.071 U	0.029 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 11

Summary Of Building 24 - Globe Equipment VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:			
Sample Date:			
Parameters	ODH Non-Residential Screening Levels		
	Sub-Slab Soil Gas	Indoor Air	
	a	c	
Volatile Organic Compounds			
1,1-Dichloroethane	160	16	0.026 U
Benzene	20	2	0.060 J
Chloroform (Trichloromethane)	800	80	0.038 U
cis-1,2-Dichloroethene	370	37	0.060 U
Ethylbenzene	2500	250	0.068 U
m&p-Xylenes	2000	200	0.12 U
Naphthalene	29	2.9	0.090 UJ
o-Xylene	2000	200	0.061 U
Tetrachloroethene	250	25	2.0
Trichloroethene	20	2	0.10 J
Vinyl chloride	20	2	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 12

Page 1 of 1

Summary of Historic Vacuum Readings
Globe Equipment
2215 East River Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Historic Sub-Slab Vacuum Readings^{1,2}

Sub-Slab Location	8/21/2014	12/4/2014	2/20/2015	7/13/2015	Historic Average Vacuum Readings
SS-24-A		-0.0841	nm	-0.104	-0.0941
SS-24-B	-0.00092	-0.00068	0.00109	-0.00017	-0.0002
SS-24-C	-0.00007	-0.00052	nm	-0.0001	-0.0002
SS-24-D	-0.00448	-0.00498	0.00962	-0.00767	-0.0019
SS-24-E	-0.0383	-0.0167	-0.00874	-0.036	-0.0249
SS-24-F	-0.0356	-0.0279	-0.0185	-0.0445	-0.0316
SS-24-G	-0.00123	-0.00245	0.00694	-0.00301	0.0001
SS-24-H	-0.0042	-0.00854	0.01468	-0.00877	-0.0017
SS-24-I	nm	nm	nm	nm	nm
SS-24-J	-0.00202	-0.00757	0.01304	-0.0028	0.0002
SS-24-K	-0.00067	-0.00805	0.0235	0.01133	0.0065
SS-24-L	nm	-0.00115	nm	-0.00023	-0.0007
SS-24-M	nm	-0.00048	0.00293	0.00108	0.0012
SS-24-N	-0.0345	-0.0354	-0.0211	-0.0349	-0.0315
SS-24-O	nm	nm	nm	nm	nm
SS-24-P	-0.00085	nm	nm	0.0057	0.0024
SS-24-Q	nm	-0.00345	0.01107	-0.0049	0.0009
SS-24-R	nm	-0.0201	0.01267	-0.0372	-0.0149
Extraction Point					
EP-1	-3.75	nm	-3.75	-3.5	-3.7
EP-2	-0.75	-0.5	-0.5	-0.75	-0.6
EP-3	-2	-3.25	-1.25	-1.5	-2.0
EP-4	-4	-2.72	nm	-2.75	-3.2
EP-5	-4	-4	-4	-3.75	-3.9
EP-6	-2.25	-2	-2	-2.25	-2.1
EP-7	-3.75	-4	-4	-3.75	-3.9
EP-8	-3.75	nm	-3.5	-3.25	-3.5

Notes :

-- Denotes no exceedances at sample location

nm - Denotes not monitored

N/A - Denotes the value is not applicable or can't be calculated

¹ - All vacuum readings are in units of inches of water column (in WC.)

² - All presented vacuum readings are after last system upgrade on 7/24/2013

-0.0002 - Denotes vacuum not meeting requirement of -0.004 in WC.

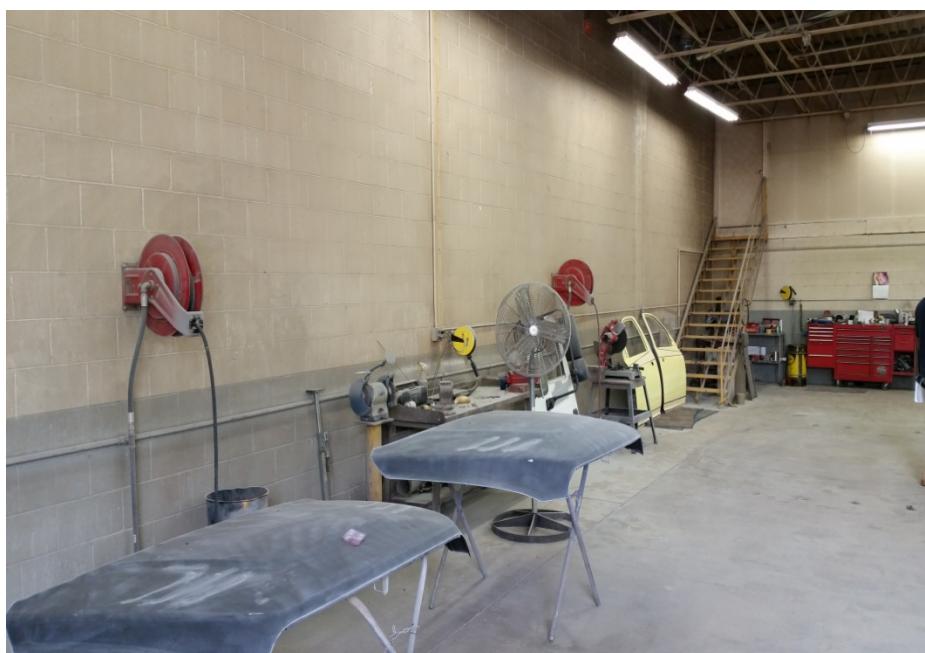
Attachment A



Description: EP-2 location. View-North

Date: 7/15/2015

Photographer: Doug Gatrell



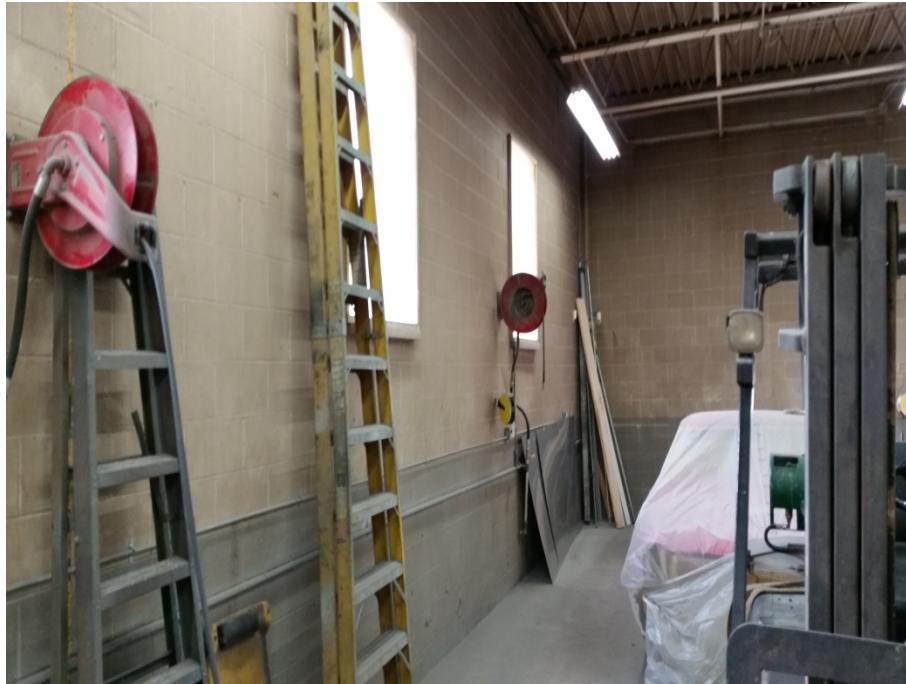
Description: June proposed EP-2 stemline location. View-South

Date: 7/15/2015

Photographer: Doug Gatrell



**B&G Trucking Building 9
1951 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**



Description: June proposed location of EP-3. View-Northwest

Date: 7/15/2015

Photographer: Doug Gatrell



Description: June proposed EP-3 stemline location. View-West



**B&G Trucking Building 9
1951 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Date: 7/15/2015
Photographer: Doug Gatrell



Description: June proposed EP-3 stemline suction point location. View-Southwest
Date: 7/15/2015
Photographer: Doug Gatrell



**B&G Trucking Building 9
1951 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**



Description: EP-1 suction point and stemline. View-Southeast

Date: 7/15/2015

Photographer: Doug Gatrell



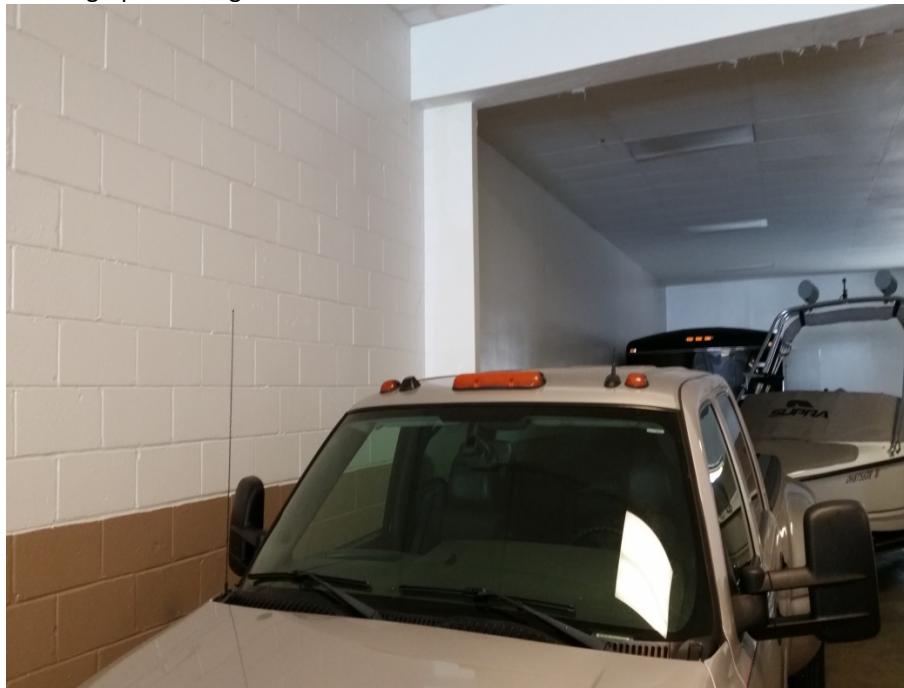
Description: South wall. View-South



**Overstreet Painting Building 12
2019 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Date: 7/15/2015

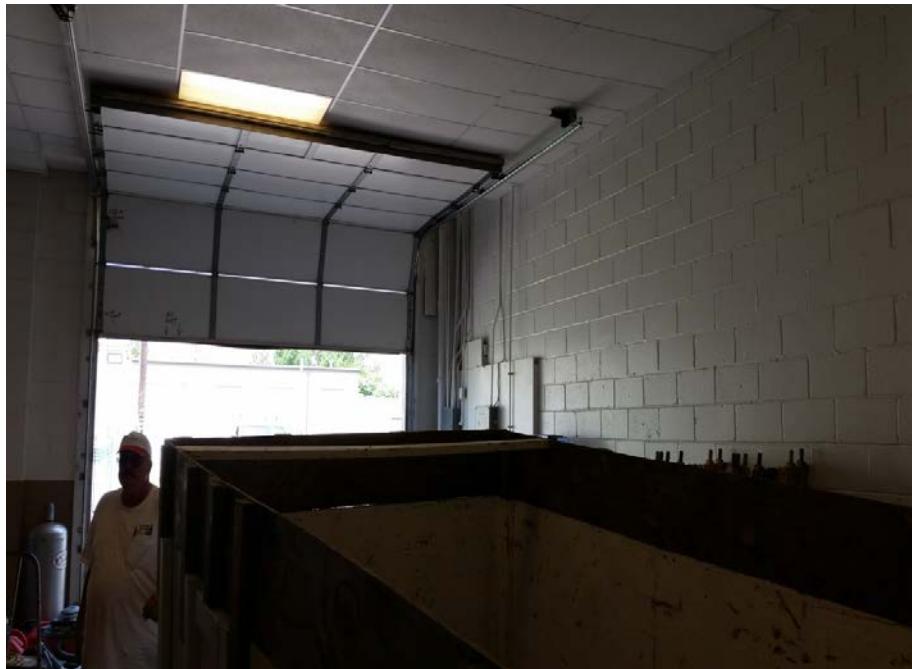
Photographer: Doug Gatrell



Description: North wall. Floor drain runs under vehicles. View-Northeast

Date: 7/15/2015

Photographer: Doug Gatrell



**Overstreet Painting Building 12
2019 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Description: North wall. View-Northwest

Date: 7/15/2015

Photographer: Doug Gatrell



**Overstreet Painting Building 12
2019 Dryden Road
South Dayton Dump and Landfill Site
*Moraine, Ohio***



Description: EP-3 suction point. View-North

Date: 7/15/2015

Photographer: Doug Gatrell



Description: Chemical products at S&J by proposed EP-3 stemline. View-West

Date: 7/15/2015



**S&J Precision Building 12
2015 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Photographer: Doug Gatrell



Description: Proposed EP-3 stemline location. View-North

Date: 7/15/2015

Photographer: Doug Gatrell



**S&J Precision Building 12
2015 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Description: Far back west wall with collection of electrical boxes. View-West

Date: 7/15/2015

Photographer: Doug Gatrell



Description: HVAC unit on opposite side of wall where EP-3 stemline is proposed. View-North

Date: 7/15/2015

Photographer: Doug Gatrell



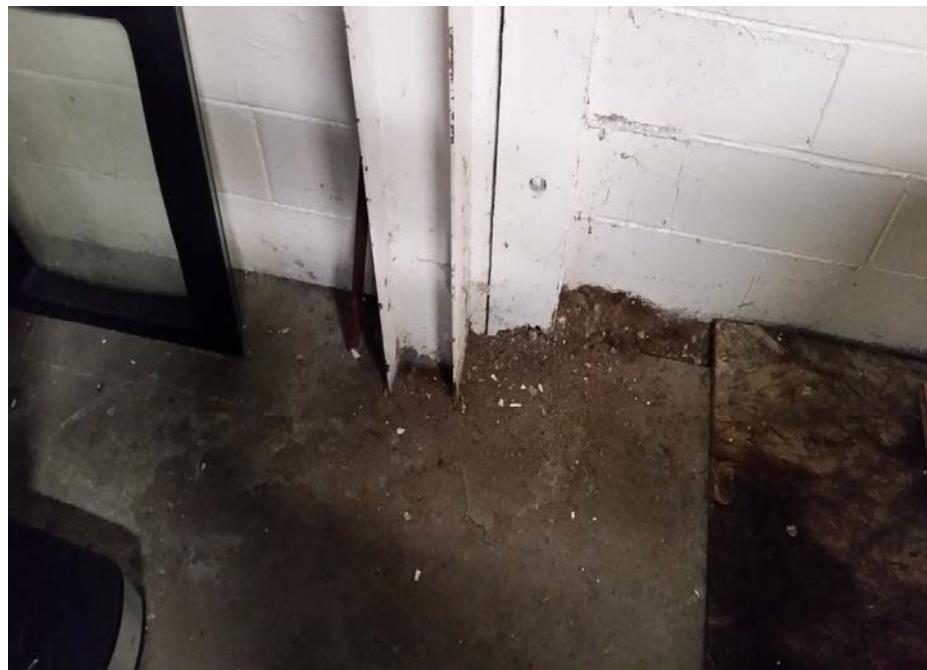
**S&J Precision Building 12
2015 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**



Description: Front of Bullseye with EP-2. Treeline is located on the west perimeter. View-South

Date: 7/15/2015

Photographer: Doug Gatrell



Description: June proposed EP-3 location where SS-14-D is abandoned where water ponds. View-NA



**Bullseye Amusements Building 14
2003 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Date: 7/15/2015

Photographer: Doug Gatrell



Description: June proposed EP-3 stemline suction point on west wall. View-West

Date: 7/15/2015

Photographer: Doug Gatrell



**Bullseye Amusements Building 14
2003 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Description: June proposed EP-3 stemline location. View-Southwest

Date: 7/15/2015

Photographer: Doug Gatrell



Description: EP-1 stemline. View-Northeast

Date: 7/15/2015

Photographer: Doug Gatrell



**Bullseye Amusements Building 14
2003 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**



Description: 7/15 proposed EP-2 suction and stemline location. View-Southeast

Date: 7/15/2015

Photographer: Doug Gatrell



Description: Outside of Bullseye looking at the exterior of the east wall. View-Southwest

Date: 7/15/2015



**Bullseye Amusements Building 14
2003 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Photographer: Doug Gatrell



**Bullseye Amusements Building 14
2003 Dryden Road
South Dayton Dump and Landfill Site
*Moraine, Ohio***



Description: EP-1 location. View-West

Date: 7/15/2015

Photographer: Doug Gatrell



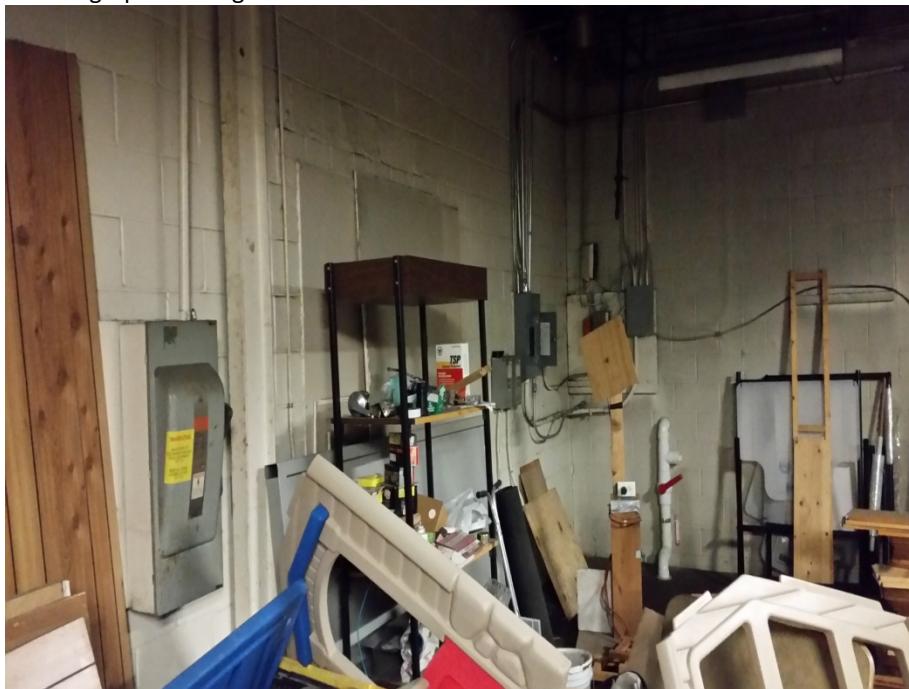
Description: EP-2 location. View-West

Date: 7/15/2015



**SIM Trainer Building 15
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Photographer: Doug Gatrell



Description: Southwest wall. View-Southwest

Date: 7/15/2015

Photographer: Doug Gatrell



**SIM Trainer Building 15
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Description: South wall. View-South

Date: 7/15/2015

Photographer: Doug Gatrell



Description: EP-3 suction point location. View-North

Date: 7/15/2015

Photographer: Doug Gatrell



**SIM Trainer Building 15
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio**



Description: Location of SS-24-P. View-West

Date: 7/15/2015

Photographer: Doug Gatrell



Description: Location of EP-3. View-South



**Globe Equipment Building 24
2215 East River Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Date: 7/15/2015

Photographer: Doug Gatrell



Description: EP-8. View-Southwest

Date: 7/15/2015

Photographer: Doug Gatrell



**Globe Equipment Building 24
2215 East River Road
South Dayton Dump and Landfill Site
Moraine, Ohio**

Description: June proposed EP-8 stemline location. View-Southwest

Date: 7/15/2015

Photographer: Doug Gatrell



Description: June proposed EP-8 stemline and suction point location. View-South

Date: 7/15/2015

Photographer: Doug Gatrell



**Globe Equipment Building 24
2215 East River Road
South Dayton Dump and Landfill Site
Moraine, Ohio**